रजिस्टर्ड सं. डी--(डी एन)--128/91

REGISTERED NO. D.—(D.N.) 128/91

भारत का राजपत्र
The Gazette of India

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

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No. 2] NEW DELHI, SATURDAY, JANUARY 12, 1991 (PAUSA 22, 1912)

इस भाग को भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 12th January, 1991

ADDRESS AND JURISDICTION OF OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch offices at Bombay, Delhi and Madras having territorial jurisdiction on zonal basis as shown below :—

Patent Office Branch,
Todi Estates, III Floor,
Lower Parel (West),
Bombay-400 013.

The States of Gujarat, Maharashtra and Madhya Pradesh and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,
Unit No. 401 to 405, III Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC".

Patent Office Branch,
61, Wallajah Road,
Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O. Bldg.,
5th, 6th and 7th Floor,
234/4, Acharya Jagdish Bose Road,
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by Bank Draft or Cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 12 जनवरी 1991

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में स्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400 013

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दिव एवं दादरा और नगर हवेली।

तार पता—"पेटोफिस"

पेटेंट कार्यालय शाखा,
इकाई सं० 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली।

तार पता—"पेटेंटोफिक"

पेटेंट कार्यालय शाखा,
61, वालाजाह रोड,
मद्रास-600 002

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिनिकॉय तथा एमिनिदिवि द्वीप।

तार पता—"पेटेंटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय अहुतलीय कार्यालय
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020

भारत का अवशेष क्षेत्र

तार पता—"पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क : —शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय स्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है।

CORRIGENDA

In the Gazette of India, Part-III, Section-2 :—

(i) dated 20th October, 1990 in Page No. 1163 and dated 3rd November, 1990 in Page No. 1221, Column 1 read the heading ALTERATION AS ALTERATION OF DATE UNDER SECTION 16 OF THE ACT;

(ii) dated 3rd November, 1990 in Page No. 1221, Column 1 in the heading CLAIM UNDER SECTION 21 (1) read 21 (1) as 20 (1);

(iii) dated 10th November, 1990 in Page No. 1254, Column 2 for No. 167521 (238/Bom/87) under Complete Specification accepted, in (a) Ind. Class include $32F_1$ [IX (1)] before $55E_4$ [XIX (1)] and (b) in Int. Class delete $32F_1$ [IX (1)] and read it as A 61 k 27/00.

(iv) dated 10th November, 1990 in Page No. 1269, (a) Column 1 in the heading, Name Index of Application for Patents, read 25/Bom/90 to 49/Bom/90 as 24/Bom/90 to 49/Bom/90; and (b) under B, insert Balsekar, V. B.—24/Bom/90 and (c) under H, insert Heble, N. D.—24/Bom/90.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed Under Section, 135 of the Patents Act, 1970.

5th December, 1990

1011/Cal/90. Acna Chimica Organica S. p. A. Improved catalytic process for the manufacture of copper phthalocyanine.

1012/Cal/90. Pell-Mell Pty Ltd. Structural member. (Convention dated 8th December, 1989; No. PJ 7847; Australia).

1013/Cal/90. Samsung Electronics Co. Ltd. Serial-Accessed memory data accessing circuit involving low operating current.

6th December, 1990

1014/Cal/90. Texaco Development Corporation. Water content monitor apparatus and method.

1015/Cal/90. E.I. Du Pont De Nemours and Company. Process for making a bonded products from polyester fiber balls.
[Divisional dated 19th October, 1987].

7th December, 1990

1016/Cal/90. Universidade De Sao Paulo—Usp. An apparatus for controlling nuclear fusion in an hydrogen (or, isotope) plasma.

1017/Cal/90. E.I. Du Pont De Nemours and Company. Improved water proofing of polyester fiberfill.

1018/Cal/90. Samsung Electron Devices Co. Ltd. Apparatus for liquid material coating a panel for a color cathode ray tube.

10th December, 1990

1019/Cal/90. Himont Incorporated. Polymer compositions endowed with flame self extinguishing properties.
[Divisional dated 28th December, 1987].

1020/Cal/90. Hitachi Construction Machinery Co. Ltd. High-speed solenoid valve apparatus.

1021/Cal/90. Lanxide Technology Co. Lp. A self supporting ceramic body.
[Divisional dated 4th September, 1987].

1022/Cal/90. Communications Satellite Corporation. Orthogonally polarized dual-band printed circuit antenna employing radiating elements capacitively coupled to feedlines.

11th December, 1990

1023/Cal/90. Emitec Gesellschaft Fur Emissionstechnologie Mbh. Exhaust gas pipe with catalyst carrier body exposed to a helical flow.

1024/Cal/90. Kabelmetal Electro Gesellschaft mit beschrankter Haftung. Device for the drawing-off and/or guidance of elongate products.

12th December, 1990

1025/Cal/90. Beloit Corporation. Apparatus for drying a web.

OPPOSITION PROCEEDINGS

The Opposition entered by Orissa Cement Limited to the grant of a patent on application for Patent No. 162145 made by Veitscher Magnesitwerke A. G. as notified in the Gazette of India Part III, Section 2 dated 27th August, 1988 has been dismissed and it is ordered that the Application will proceed for sealing with some amendments in the Complete Specification.

The Application for Patent No. 163862 by Khaitan Electricals Limited, in respect of which an opposition was entered by Jay Engineering Works Limited, as notified in the Gazette of India, Part III, Section 2 dated 29th April, 1989 has been treated as withdrawn and grant of patent on the application is refused.

PRINTED SPECIFICATION PUBLISHED

A limited number of Printed Copies of the undernoted Specification are available for sale from the PATENT OFFICE, CALCUTTA and its three Branches at Bombay, Madras and Delhi at Rs. 2/- (Rupees two only) per Copy.

(1)

157830 157831 157832 157833 157834 157835 157836 157837 157838 157839 157840 157841 157842 157843 157844 157845 157846 157847 157848 157849 157850 157851 157852 157853 157854 157855.

(2)

157856 157857 157858 157859 157860 157861 157862 157863 157864 157865 157866 157867 157868 157869 157870 157871 157872 157873 157874 157875 157876 157877 157878 157879 157880 157881 157882 157883 157884 157885 157886 157887 157888 157889 157890.

NUMBER OF PATENTS SEALED FROM 1ST JANUARY, 1990 TO 30TH NOVEMBER, 1990

Indian	469
Foreign	1048
Total	1517

PATENTS SEALED

166085 166089 166125 166321 166330 166384 166385 166399 166401 166404 166421 166425 166426 166437 166442 166444 166446 166448 166449 166478 166494 166495.

CAL—17
DEL—2
MAS—3
BOM—NIL.

AMENDMENT PROCEEDINGS UNDER SECTION-57

The amendment proposed by LANXIDE TECHNOLOGY COMPANY LP in respect of their application for Patent No. 165221 (82/Cal/86) as advertised in Part III, Sec 2 of the Gazette of India dated the 26th May, 1990 has been allowed.

RENEWAL FEES PAID

145703 145997 146237 146238 146239 146240 146243 146262 146315 146510 147048 147490 147648 147904 147905 148272 148330 148649 148663 148748 149682 149818 150614 150694 150739 151197 151300 151465 152060 152145 152219 152233 152241 152242 152244 152261 152312 152338 152370 152384 152389 152513 152556 152701 152754 152826 153171 153342 153823 153862 154241 154295 154291 154284 154343 154376 154378 154381 154385 154388 154392 154399 154503 154511 154977 155006 155121 155265 155622 155642 155684 155685 155931 155939 156026 156063 156072 156087 156088 156125 156132 156147 156155 156164 156165 156220 156222 156459 156460 156462 156463 156540 156777 157055 157839 157843 157846 157848 157849 156750 157865 157920 157950 157991 158058 158070 158085 158116 158140 158148 158260 158278 158450 158468 158483 158564 158592 158653 158972 159003 159164 159207 159344 159345 159346 159347

161284 161296 161375 161412 161516 161521 161522 161548 161642 161702 161783 161841 161843 161912 162002 162099 162108 162427 162493 162571 162630 162688 162876 162998 162999 163067 163169 163262 163276 163323 163358 163383 163421 163449 163450 163452 163462 163464 163467 163490 163555 163621 163622 163648 163680 163707 163829 163831 163883 163889 163900 163912 164002 164307 164308 164202 164522 164541 164545 164606 164646 164701 164705 164707 164708 164771 164802 164806 164807 164973 165035 165155 165156 165157 165158 165255 165257 165259 165272 165342 165350 165370 165464 166191 166369 166370 166410 166447.

CESSATION OF PATENTS

152029 157286 161860 163078 163985 164010 164924.

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 158140 dated the 23rd November 1982 made by Krishna Mohan Dayal on the 6th September 1989 and notified in the Gazette of India, Part III, Section 2 dated the 13th January 1990 has been allowed and the said Patent restored.

Notice is hereby given that an application for restoration of Patent No. 160717 dated the 21st July, 1984 made by Sparta Rijwielen-En Motorenfabriek B. V. on the 9th April 1990 and notified in the Gazette of India, Part III, Section 2 dated the 4th August 1990 has been allowed and the said Patent restored.

Notice is hereby given that an application for restoration of Patent No. 164016 dated the 16th August, 1985 made by Midrex International B. V. Rotterdam on the 25th April, 1990 and notified in the Gazette of India, Part III, Section 2 dated the 4th August, 1990 has been allowed and the said Patent restored.

Notice is hereby given that an application for restoration of Patent No. 153563 dated the 12th March, 1981 made by Indian Institute of Technology on the 12th July, 1989 and notified in the Gazette of India, Part III, Section 2 dated the 2nd December, 1989 has been allowed and the said Patent restored.

Notice is hereby given that an application for restoration of Patent No. 161284 dated the 29th September, 1984 made by Ashland Oil, Inc. on 30th November, 1989 and notified in the Gazette of India, Part III, Section 2 dated the 17th February, 1990 has been allowed and the said Patent restored.

Notice is hereby given that an application for restoration of Patent No. 161730 dated the 7th August, 1985 made by Komori Printing Machinery Co. Ltd., on the 30th March, 1990 and notified in the Gazette of India, Part III, Section 2 dated the 4th August, 1990 has been allowed and the said Patent restored.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 163324 granted to FLOUR CORPORATION for an invention relating to "PROCESS FOR AUTOTHERMAL PRODUCTION OF SYNTHESIS GAS AND APPARATUS THEREFOR".

The patent ceased on the 9th September, 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the

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Rules, 1972. A wr
the opponent's interest,
relief he seeks, shall be file
the date of the notice.

Notice is hereby given that an
tion 60 of the Patents Act, 1970 for the
granted to THE INDIAN CABLE CO
to "A HIGH TEMPERATURE EL
FOR SIGNAL AND DATA TRANSM

The patent ceased on the 28th N
payment of renewal fees within the pres
of the patent was notified in the Gazette
dated the 10th November, 1990.

Any interested person may give notice
tion by leaving a notice on Form 32, in du
of Patents, The Patent Office, "Nizam Pal
5th, 6th and 7th Floor, 234/4, Acharya Jaga
700 020 on or before the 12th March, 1991 u
Rules, 1972. A written statement, in triplicate
the opponent's interest, the facts upon which
relief he seeks, shall be filed with the notice or
the date of the notice.

Notice is hereby given that an application wa
tion 60 of the Patents Act, 1970 for the restoration of
granted to SHREE KRISHNAKESHAV LABORA
TED for an invention relating to "IMPROVED CONTA
LIQUIDS TO BE ADMINISTERED INTRAVANO
PATIENTS".

The patent ceased on the 25th April, 1990 due to non-payn
renewal fees within the prescribed time and the cessation of th
was notified in the Gazette of India, Part III, Section 2, dated
November, 1990.

Any interested person may give notice of opposition to the
tion by leaving a notice on Form 32, in duplicate, with the Co
of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. B
5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, C
700 020 on or before the 12th March, 1991 under Rule 69 of the
Rules, 1972. A written statement, in triplicate, setting out the n
the opponent's interest, the facts upon which he bases his case
relief he seeks, shall be filed with the notice or within one mon
the date of the notice.

Notice is hereby given that an application was made under
tion 60 of the Patents Act, 1970 for the restoration of Patent No. 16
granted to TATA-ROBINS-FRASER LIMITED for an inven
relating to "SUCTION DUCT FOR PADDLE FEEDERS F
COAL".

The patent ceased on the 11th October, 1989 due to non-paym
of renewal fees within the prescribed time and the cessation of
patent was notified in the Gazette of India, Part III, Section 2, dated
the 10th November, 1990.

159375 159378 159399 159414 159419 159479 159540 159617 159618 159619 159861 159881 159884 159892 159893 160013 160092 160152 160525 160527 160559 160665 160739 160783 160846 160976 161055 161058 161155 161156 161205 161207 161262 161263 161276 161278 161284 161296 161375 161412 161516 161521 161522 161548 161642 161702 161783 161841 161843 161912 162002 162099 162108 162427 162493 162571 162630 162688 162876 162998 162999 163067 163169 163262 163276 163323 163358 163383 163421 163449 163450 163452 163462 163464 163467 163490 163555 163621 163622 163648 163680 163707 163829 163831 163883 163889 163900 163912 164002 164307 164308 164202 164522 164541 164545 164606 164646 164701 164705 164707 164708 164771 164802 164806 164807 164973 165035 165155 165156 165157 165158 165255 165257 165259 165272 165342 165350 165370 165464 166191 166369 166370 166410 166447.

CESSATION OF PATENTS

152029 157286 161860 163078 163985 164010 164924.

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 158140 dated the 23rd November 1982 made by Krishna Mohan Dayal on the 6th September 1989 and notified in the Gazette of India, Part III, Section 2 dated the 13th January 1990 has been allowed and the said Patent restored.

Notice is hereby given that an application for restoration of Patent No. 160717 dated the 21st July, 1984 made by Sparta Rijwielen-En Motorenfabriek B. V. on the 9th April 1990 and notified in the Gazette of India, Part III, Section 2 dated the 4th August 1990 has been allowed and the said Patent restored.

Notice is hereby given that an application for restoration of Patent No. 164016 dated the 16th August, 1985 made by Midrex International B. V. Ratterdam on the 25th April, 1990 and notified in the Gazette of India, Part III, Section 2 dated the 4th August, 1990 has been allowed and the said Patent restored.

Notice is hereby given that an application for restoration of Patent No. 153563 dated the 12th March, 1981 made by Indian Institute of Technology on the 12th July, 1989 and notified in the Gazette of India, Part III, Section 2 dated the 2nd December, 1989 has been allowed and the said Patent restored.

Notice is hereby given that an application for restoration of Patent No. 161284 dated the 29th September, 1984 made by Ashland Oil, Inc. on 30th November, 1989 and notified in the Gazette of India, Part III, Section 2 dated the 17th February, 1990 has been allowed and the said Patent restored.

Notice is hereby given that an application for restoration of Patent No. 161730 dated the 7th August, 1985 made by Komori Printing Machinery Co. Ltd., on the 30th March, 1990 and notified in the Gazette of India, Part III, Section 2 dated the 4th August, 1990 has been allowed and the said Patent restored.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 163324 granted to FLOUR CORPORATION for an invention relating to "PROCESS FOR AUTOTHERMAL PRODUCTION OF SYNTHESIS GAS AND APPARATUS THEREFOR".

The patent ceased on the 9th September, 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 10th November, 1990.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 12th March, 1991 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 151025 granted to THE INDIAN CABLE CO LTD., for an invention relating to "A HIGH TEMPERATURE ELECTRIC CABLE SUITABLE FOR SIGNAL AND DATA TRANSMISSION".

The patent ceased on the 28th November, 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 10th November, 1990.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 12th March, 1991 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 164511 granted to SHREE KRISHNAKESHAV LABORATORIES LIMITED for an invention relating to "IMPROVED CONTAINERS FOR LIQUIDS TO BE ADMINISTERED INTRAVANOUSLY TO PATIENTS".

The patent ceased on the 25th April, 1990 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 10th November, 1990.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 12th March, 1991 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 161927 granted to TATA-ROBINS-FRASER LIMITED for an invention relating to "SUCTION DUCT FOR PADDLE FEEDERS FOR COAL".

The patent ceased on the 11th October, 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 10th November, 1990.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 12th March, 1991 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 150855 granted to SCOOTERS INDIA LIMITED for an invention relating to "IMPROVEMENTS IN OR RELATING TO ELECTRIC LIGHTING UNIT HAVING REFLECTOR".

The patent ceased on the 11th September, 1989 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 11th November, 1990.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 12th March, 1991 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 165128 granted to AMOCO CORPORATION for an invention relating to "A METHOD OF MANUFACTURING ETHANOL FROM A FERMENTABLE SUBSTRATE".

The patent ceased on the 30th August, 1990 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 10th November, 1990.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 12th March, 1991 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given beow in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompained by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र-14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को ऐसे विरोध की सूचना विहित प्रपत्र-15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अनुरूप हैं।"

नीचे सूचीगत विनिर्देशों की सीमित संख्यक में मुद्रित प्रतियाँ, भारत सरकार बुक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथासमय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2-/ रु० है (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग पत्र के साथ निम्नलिखित सूची में यथाप्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां, यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु० है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

CLASS : 63-I. 167921
Int. Cl. : H 02 j 9/06.

START CONTROL APPARATUS FOR INDUSTRY OWNED INDUSTRY-OWNED GENERATING PLANT.

Applicant : KABUSHIKI KAISHA MEIDENSHA, OF 1-17, OHSAKI-2-CHOME, SHINAGAWA-KU, TOKYO, JAPAN.

Inventors : (1) MASAMICHI KATO, (2) HIASAO WATANABE.

Application No. 730/Cal/1984, filed October 18, 1984.

Appropriate Office for Opposition Proceedigs (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

5 Claims

A start control apparatus for an industry owned generating plant the apparatus comprises an automatic voltage regulator automatically adjusting the actual output voltage of a main generator to a predetermined level, a voltage control device which includes a reference voltage setter for automatic voltage regulator for setting the reference voltage of the automatic voltage regulator to either of a normal or boosted output voltage higher than normal out put voltage of the regulator and which communicates with an output voltage detector for detecting the actual output voltage of the main generator, and a sequence controller connected to the voltage control device and to a switching control terminal of a load switch connecting a power bus bar having a load and which controls an output voltage boost sequence and a load connection sequence.

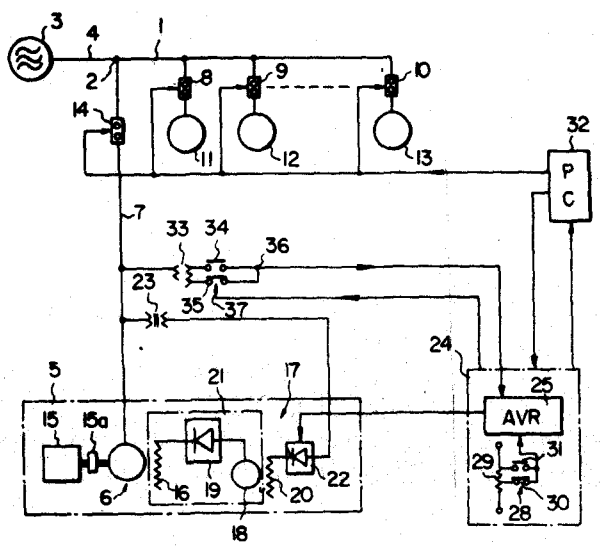


Fig. 1

Compl. Specn. 17 Pages. Drgs. 4 Sheets.

CLASS : 62-C1; 2. 167922
Int. Cl. : D 06 p. 3/02; 3/58; 3/79.

PROCESS FOR CONTINUOUS DYEING OF POLY (M-PHENYLENNEISOPHTHALAMIDE FIBERS AND FIBERS DYED BY SUCH PROCESS.

Applicant : BURLINGTON INDUSTRIES, INC., OF 3330 WEST FRIENDLY AVENUE, GREENSBORO, NORTH CAROLINA 27420, U.S.A.

Inventors : (1) BARBARA J CATES, (2) JAMES K DAVIS, (3) TANYA E FITZGERALD, (4) ERNEST K RUSSEL.

Application No. 382/Cal/1987, filed May 12, 1987.

Appropriate Office for Opposition Proceedigs (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

15 Claims

A process for continuously dyeing a poly (m-phenyleneisophthalamide) fiber, comprising the steps of :

(1) contacting in a manner such as hereinbefore described a dyeable poly (m-phenyleneisophthalamide) fiber with a dyeing solution of an organic swelling agent selected from the group consisting of N-methylpyrrolidone, dimethylsulfoxide and dimethylacetamide adapted to swell said fiber, a solvent-compatible dyestuff dissolved in said solution and, optionally, a flame retardant, and

(2) heating in a manner such as hereinbefore described the poly (m-phenyleneisophthalamide) fiber treated in step (1) whereby dye is fixed to said fiber.

Compl. Specn. 30 Pages. Drgs. 2 Sheets.

CLASS : 35-G. 167923
Int. Cl. : B 44 f 11/06; C 04 b 35/00, 35/60.

METHOD OF MAKING CERAMIC COMPOSITE ARTICLES WITH SHAPE REPLICATED SURFACES.

Applicant : LANXIDE TECHNOLOGY COMPANY, LP, TRALEE INDUSTRIAL PARK NEWARK, DELAWARE 19711, U.S.A.

Inventor : MARC STEVENS NEWKIRK.

Application No. 429/Cal/1987, filed June 1, 1987.

Appropriate Office for Opposition Proceedigs (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

27 Claims

A method for producing a self-supporting ceramic composite body having a negative pattern inversely replicating a positive pattern of a parent metal precursor as herein described, said composite body comprising (1) a polycrystalline ceramic matrix obtained by oxidation of a parent metal as herein described, to a form a polycrystalline material consisting essentially of (i) the oxidation reaction product of said parent metal with an oxidant as herein described, and optionally, (ii) one or more metallic constituents as herein described and (2) a filler as herein described embedded by said matrix, the method comprising the steps of :

(a) providing a said parent metal precursor having (1) a positive pattern section for inverse replication, and (2) a non-replicating section;

(b) emplacing at least said positive pattern section of said parent metal precursor in confirming engagement with a bed of said conformable filler under growth control conditions to promote growth of said oxidation reaction product from said positive pattern section and to inhibit such

growth from said non-replicating section, said conformable filler (i) being permeable to said oxidant at least when required for said oxidant to contact the molten parent metal in step (c), and (ii) being permeable to infiltration by the growth of the oxidation reaction product through said filler;

(c) heating the said parent metal precursor to a temperature region above its melting point but below the melting point of said oxidation reaction product to form a body of molten parent metal and, at said temperature,

(1) reacting the molten parent metal with said oxidant to form said oxidation reaction product,

(2) maintaining at least a portion of said oxidation reaction product in contact with and between said body of molten metal and said oxidant, to progressively draw molten metal from said body of molten metal through the oxidation reaction product and into contact with said oxidant within said bed of filler to concurrently form said negative pattern in said bed of filler as oxidation reaction product continues to form at the interface between said oxidant and previously form oxidation reaction product, and

(3) continuing said reacting for a time to at least partially embed said bed of filler within said oxidation reaction product by growth of the latter to form said composite body with said negative pattern; and

(d) separating the resulting self-supporting ceramic composite body from excess filler and unreacted parent metal, if any.

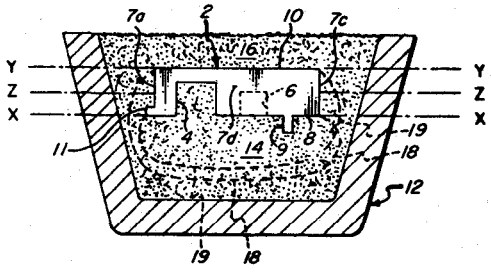


Fig. 2

Compl. Specn. 55 Pages. Drgs. 4 Sheets.

CLASS : 206-E. 167924
Int. Cl. : G 06 c 1/00; G 06 k 15/00.

A COMPUTER SYSTEM FOR TRANSFERRING A DISPLAY CONTROL DATA.

Applicant : COMMODORE-AMIGA, INC., OF 983 UNIVERSITY AVENUE, LOS GATOS, CALIFORNIA 95030, U.S.A.

Inventors : (1) JAY GLENN MINER, (2) DAVE DEAN, (3) JOSEPH CHARLES DECUIR, (4) RONALD HUGH NICHOLSON, (5) AKIO TANAKA.

Application No. 556/Cal/1987, filed July 17, 1987.

Appropriate Office for Opposition Proceedigs (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

A computer system for transferring a display control data when a video beam reaches a position on a screen, the computer system comprising :

a data bus;

processor means coupled to the data bus for executing program instructions;

memory means such as herein described, coupled to the data bus for storing data;

means such as herein described, for indicating the position of the video beam on the screen;

conventional display control means coupled to the data bus for storing display control data; and

coprocessor means coupled to the data bus and the indicating means for transferring display control data to the display control means when the video beam reaches a specified position on the screen said coprocessor means comprising

means such as herein described for receiving an indication of the position of the video beam from the video beam position indicating means without accessing the data bus;

program counter means such as herein described for storing an address corresponding to the next instruction to be executed.

means such as herein described for fetching the next instruction to be executed from the memory means at the address stored in the program counter means by direct memory access;

means such as herein described for comparing the video beam position indication with a specified vidwo beam position without accessing the data bus when executing a WAIT instruction;

means such as herein deseribed for waiting until the video position indication corresponds to the specified video beam position before executing another instruction when executing the WALT instruction; and

means such as herein described, for transferring display control data on the data bus to the display control means when executing a MOVE instruction.

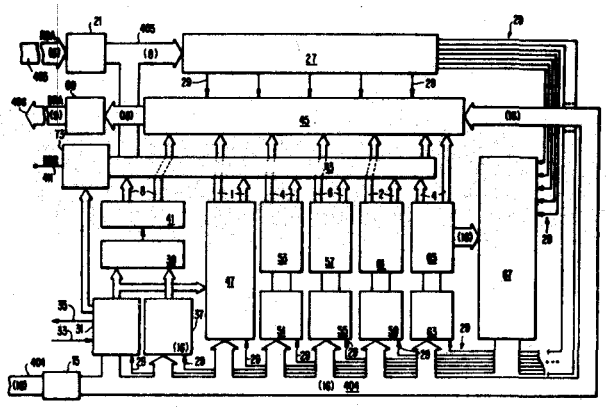


Fig. 1

Compl. Specn. 80 Pages. Drgs. 11 Sheets.

CLASS : 14-A3; 14-D. 167925
Int. Cl. : H 01 m 8/00.

FUEL CELL STACK HAVING ELECTROLYTE FEED AND DRAIN MEANS AND A PLURALITY OF STACKED FUEL CELLS.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : (1) MAYNARD KENT WRIGHT, (2) ROBERT EDWARD DOWNS, (3) ROBERT KING.

Application No. 634/Cal/1987, filed August 13, 1987.

Appropriate Office for Opposition Proceedigs (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

12 Claims

A fuel cell stack having electrolyte feed and drain means and a plurality of stacked fuel cells, each fuel cell including bipollar plates separating said fuel cell from adjacent fuel cells in said stack thereof with an electrolyte containing matrix disposed between said plates, and inter-connecting said feed and drain means an internal electrolyte supply system which comprises (a) first means defined repeatedly throughout the said fuel cell stack for flowing electrolyte along a series of first paths each extending directly through one of said cells in said stack between said plates thereof so as to expose electrolyte to said matrix of said cell; (b) second means defined repeatedly throughout said fuel cell stack for flowing electrolyte along a series of second paths extending through said plates of said cell stack at opposite ends of said first paths, said second paths being in communicative flow relation to said first paths and adapted to supply electrolyte directly to said respective first paths; and (c) third means defined in said plates between said first and second means which establish said communicative flow relation and produce a cascading electrolyte flow therebetween.

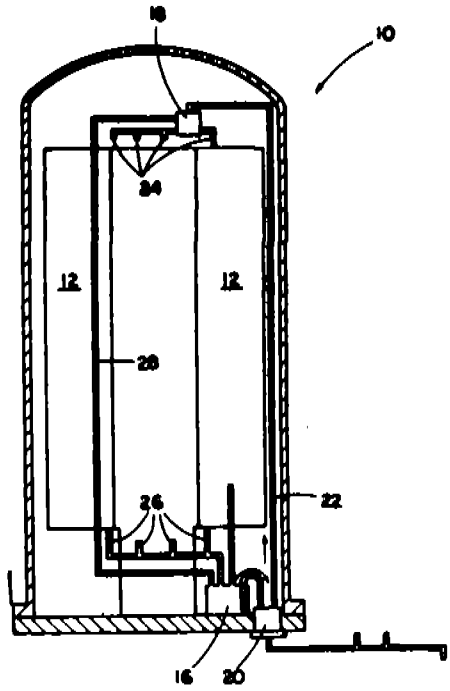
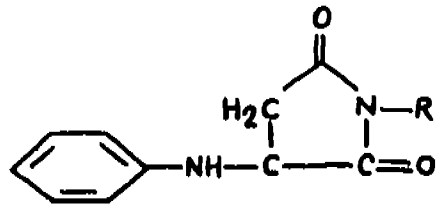
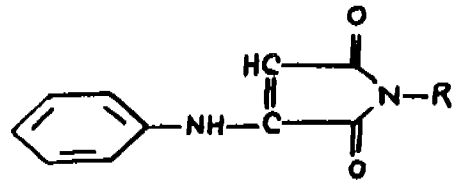
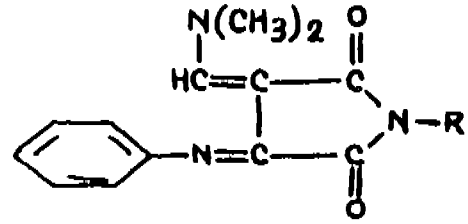
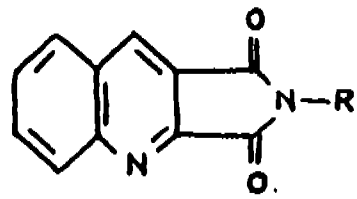


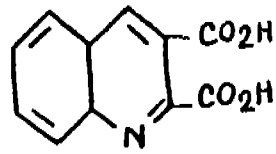
Fig. 1


Formula I


Formula II


Formula III


Formula IV


Formula V

Compl. Specn. 34 Pages. Drgs. 18 Sheets.

CLASS : 32-F2(6). 167926
Int. Cl. : C 07 d 215/00.

NOVEL METHOD FOR THE PREPARATION OF QUINOLINE -2, 3-DICARBOXYLIC ACID.

Applicant : AMERICAN CYANAMID COMPANY, AT WAYNE, NEW JERSEY, UNITED STATES OF AMERICA.

Inventor : DONALD ROY MAULDING.

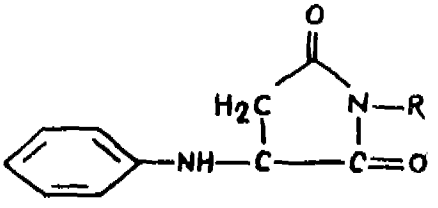
Application No. 646/Cal/1987, filed August 17, 1987.

Appropriate Office for Opposition Proceedigs (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

A method for the preparation of quinoline-2, 3-dicarboxylic acid of formula V, said method comprising :

(a) oxidizing in a conventional manner with oxidizing agents such as herein described an N-substituted-3-anilinosuccinimide of formula I of the accompanying drawings wherein;

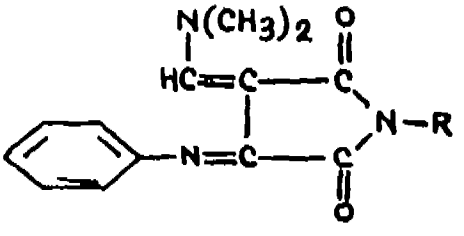


Formula I

R is a phenyl or C_1-C_6 alkyl in an inert solvent;

(b) the thus formed 3-anilino-N-substitued-maleimide of formula II, wherein R is as defined hereinabove, being then reacted at a temperature in the range of 25 to 140°C with a minimum of 2 molar equivalents of dimethylformamide dimethylacetal in an inert hydrocarbon solvent;

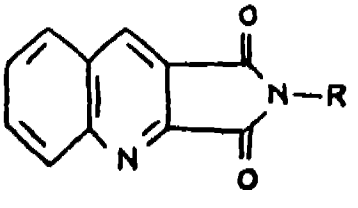
(c) isolating, in a conventional manner the resulting (3-phenylamino-4-dimethylamino-methylene-N-substituted-succinide) of formula III wherein R is as defined hereinabove;



Formula III

(d) cyclizing the said compound of formula III by treatment with polyphosphoric acid at 130° to 145°C to yield a substituted-acryidinimide of formula IV wherein R is as defined hereinabove;

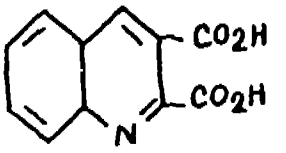
(e) hydrolyzing the acryidinimide of formula IV with a minimum one molar equivalent base in a solvent of water or an aqueous alcohol;



Formula IV

(f) cooling the reaction mixture; and

(g) isolating the thus formed quinoline -2, 3-dicarboxylic acid of formula V, by acidification of the cooled reaction mixture, and collecting in a conventional manner the precipitated product of formula V.



Formula V

Compl. Specn. 15 Pages. Drgs. 2 Sheets.

CLASS : 45-B1. 167927
Int. Cl. : E 03 d 11/00.

Applicant : YOGENDRA PRASAD ROY, PUCHFERI, BALAMATH (PALAMAU), BIHAR, INDIA.

Inventor : YOGENDRA PRASAD ROY.

Application No. 717/Cal/1987, filed September 8, 1987.

Compl. Specn. left on 8th September, 1989.

Appropriate Office for Opposition Proceedigs (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

A latrine which comprises a conventional commode, the delivery end of which is in flow communication with a large septic tank totally embedded underground to enable digestion and settling of the night soil delivered in the said tank and wherein a clear water delivery pipe is provided in its upper region. the said tank being provided with a suitable cover fitted on the said septic tank, with a gas vent pipe thereof characterized in that the said clear water delivery pipe is provided with a filtering means such as filter plate for filtering any unsettled matter being delivered out of the pipe.

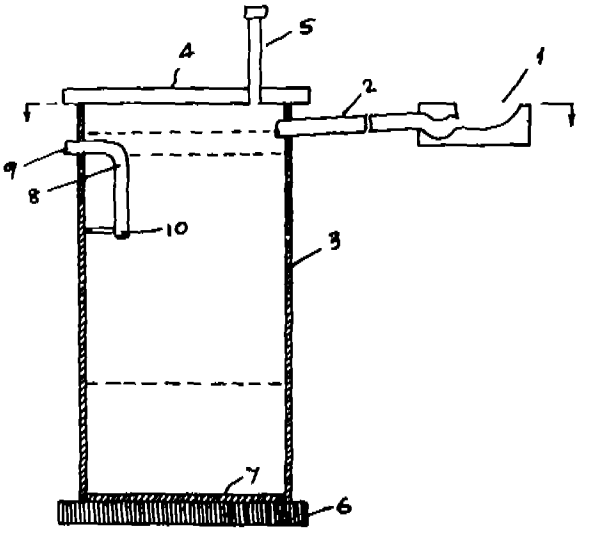


Fig. 1

Compl. Specn. 8 Pages. Drg. Nil.
Provl. Specn. 6 Pages. Drg. 1 Sheet.

CLASS : 33-A. 167928
Int. Cl. : B 22 d 11/00.

A METHOD AND INTEGRATED PLANT FOR CONTINUOUSLY CONVERTING METALLIC CHARGE INTO SEMIFINISHED PRODUCTS.

Applicant : DANIELI & C. OFFICINE MECCANICHE SPA, OF VIA NAZIONALE, 33042 BUTTRIO (UD), ITALY.

Inventors : (1) GIAMPIETRO BENEDETTI, (2) FULVIO FASANO.

Application No. 735/Cal/1987, filed September 15, 1987.

Appropriate Office for Opposition Proceedigs (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

14 Claims

A method for continuously converting metallic charge into semi-finished products comprising the steps of :

continuously feeding the metallic charge to a preheating chamber;

preheating the metallic charge in the chamber;

continuously feeding the preheated charge, at a controlled and adjustable rate, to a furnace;

melting the preheated metallic charge in the furnace to form molten metal;

tapping the furnace at regular intervals at a tapping station, to deliver part of the molten metal from the furnace to a ladle;

refining the molten metal in the ladle at a refining station;

delivering the refined molten metal to a casting station, said casting station comprising a tundish and a continuous caster, the tundish continuously feeding the refined molten metal, at a controlled rate, to the continuous caster; and

casting the molten charge;

wherein first and second ladles are utilized in the method and are respectively engaged with first and second independently rotatably arms of a multifunctional manipulator, the arms being circumferentially and vertically traversable to deliver the ladles to the tapping station, refining station and casting station, with the ladles being simultaneously manipulated so that while the first ladle is engaged in one operation at a particular station, the second ladle may be simultaneously engaged in a different operation at a different station, with the two ladles continuously cycling between the stations, so that various operatons may be simultaneously performed.

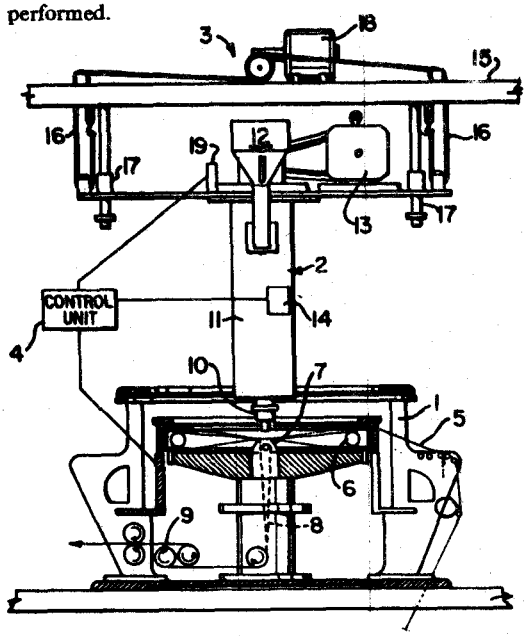


Fig. 1

Compl. Specn. 17 Pages. Drgs. 3 Sheets.

CLASS : 119-B; D. 167929
Int. Cl. : D 03 d 37/00.

APPARATUS FOR DEPOSITING CONTINUOUSLY AN EXTRUDED ELASTOMERIC MATERIAL ON THE INTERIOR OF A CONTINUOUS TUBULAR WOVEN FABRIC IN A LOOM.

Applicant : MERCEDES TEXTILES LIMITED, 1233 TESSIER STREET, P.O. BOX 368, HAWKESBURY, ONTARIO, CANADA, K6A 2S2.

Inventors : (1) HELMUT JONCKER, (2) RICHARD J. MCALPINE.

Application No. 757/Cal/1987, filed September 24, 1987.

Convention dated 25th September, 1986; No. 519073; CANADA.

Appropriate Office for Opposition Proceedigs (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

2 Claims

Apparatus for continuously depositing an extruded elastomeric material on the interior of a continuous tubular woven fabric in a loom comprising :

loom means to provide a continuous tubular woven fabric;

extruder means capable of continuously extruding an elastomeric material, said extruder means including an extruder die means positioned adjacent said loom in a manner which enables said elastomeric material to be applied to the interior of said tubular woven fabric upon being formed in said loom;

motive means for creating relative movement between the extruder and the woven fabric;

sensing means for detecting stoppage of operation of said loom and of said extruder means;

means responsive to said sensing means directing said motive means to withdraw said extruder die means from a position adjacent said loom upon stoppage of operation of either said loom or said extruder means, said control means also directing said loom or extruder means to cease operation upon cessation of operation of the other.

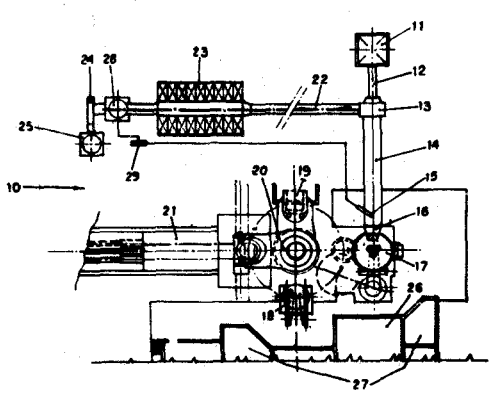


Fig. 1

Compl. Specn. 9 Pages. Drgs. 2 Sheets.

CLASS : 136-C; E. 167930
Int. Cl. : B 29 b 7/00, 11/00, 13/00; B 29 c 47/00.

APPARATUS FOR COMMINUTING AND EXTRUDING SYNTHETIC PLASTICS MATERIAL.

Applicant : EREMA ENGINEERING-RECYCLING-MASCHINEN-ANLAGEN GESELLSCHAFT M.B.H., OF A-4052, ANSFELDEN, FREINDORF-UNTERFELDSTR. 3 AUSTRIA.

Inventors : (1) HELMUT BACHER, (2) HEIMUT SCHULZ, (3) GEORG WENDELIN.

Application No. 886/Cal.1987, filed November 11, 1987.

Appropriate Office for Opposition Proceedigs (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

10 Claims

Apparatus for comminuting and extruding synthetic plastics material, in particular thermoplastic synthetic plastics material comprising a receiving receptacle having arranged in its bottom region a comminuting and mixing tool being rotatable around an approximately vertical axis of rotation and comprising a screw extruder removing the material out of the receiving receptacle and having its entry opening arranged at the front side of the screw, said entry opening being formed by an opening provided in the side wall of the receiving receptacle and arranged substantially at the level of the comminuting and mixing tool, no or no substantial parts of the screw extruder protruding from the inner wall of the receiving receptacle, characterized in that the imaginary extension of the axis (17) of the screw extruder (10) extends through the inner cavity of the receiving receptacle (1) but does not meet the axis (18) of the receiving receptacle (1), said axis (17) of the screw extruder (10) being offset relative to the radial line (19), having the same direction of the receiving receptacle (1) said offset being in the opposite sense of the direction of movement of the comminuting and mixing tool (3) running past the screw (11).

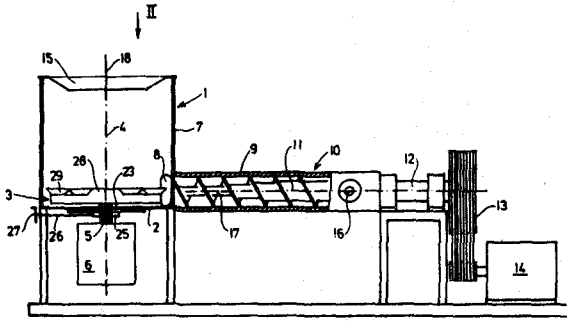


Fig. 1

Compl. Specn. 15 Pages. Drg. Nil.

Ind. Cl. : 158C. 167931
Int. Cl.[4] : B 61 K 7/08.

DRAFT GEAR FOR RAILROAD CAR COUPLER SYSTEM.

Applicant : MINER ENTERPRISES, INC., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELWARE, UNITED STATES OF AMERICA, OF 1200 EAST STREET, GENEVA, STATE OF ILLINOIS, UNITED STATES OF AMERICA.

Inventor : RICHARD ALLEN CARLSTEDT.

Application for Patent No. 1043/Del/85, filed December 10, 1985.

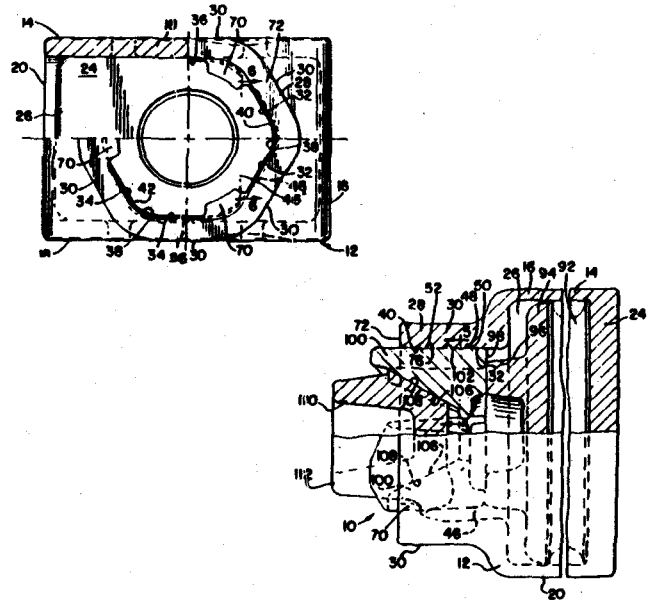
Appropriate Office for Opposition Proceedigs (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

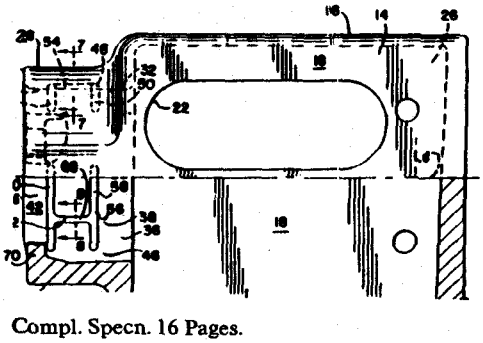
9 Claims

A draft gear for a railroad car coupler system, said draft gear comprising :

a housing composed of an inner chamber in which there is supported resilient spring means and an outer chamber communicating with said inner chamber, said outer chamber being defined by six side walls set in a hexagon-shaped array with a radiused corner between each pair of adjacent side walls, the inner surfaces of each said pair of adjacent side walls forming in combination with a radiused corner an upper friction shoe seat and two side friction shoe seats each equispaced from the other, each of said friction shoe seats being provided with a grooved recess defined by an inner groove, an outer groove and a connecting groove joining said inner and outer groove, said connecting groove being disposed substantially perpendicular to said inner and outer grooves and being located in proximate alignment with the recessed corner of each friction shoe seat, the connecting grooves of the recesses of the two side friction shoe seats having walls positioned at an angle to form enlarged openings into said connecting grooves of the side friction shoe seats, and

insert means in the form of a rigid unit disposed in the grooved recess of each friction shoe seat to provide a film of lubricant between the surfaces of said friction shoe seats and wear surfaces of friction shoe disposable in said outer chamber whereby a co-efficient of friction between said friction shoes and said friction shoe seats is continuously regulated by said film of lubricant to control frictional restraint to movement of said shoes in said seats.





Compl. Specn. 16 Pages. Drgs. 3 Sheets

Ind. Cl. : 32 $F_{2(b)}$. 167932
Int. Cl.[4] : C 07 D 407/00 & 409/00.

A PROCESS FOR THE PREPARATION OF 2, 7-DIAMIDINOXANTHONE-THIOXANTHONE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : PREM MAN SINGH CHAUHAN, RAMAN NARAYAN IYER, VEENA SHANKHODHAR, PURUSHOTTAM YESHWANT GURU & AMIYA BHUSHAN SEN.

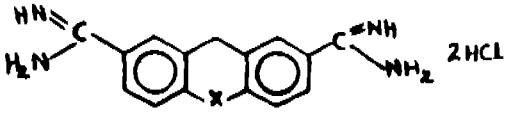
Application for Patent No. 373/Del/86, filed on April, 25, 1986.

Complete Specification left on 23rd July, 1987.

Appropriate Office for Opposition Proceedigs (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

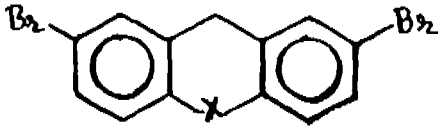
2 Claims

A process for the synthesis of 2, 7-diamidinoxanthone thioxanthone having the general formula 3



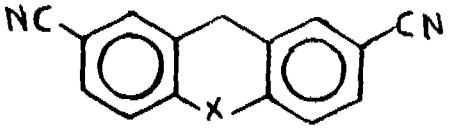
Formula 3

where X is oxygen or sulfur which comprises reacting 2, 7-dibromoxanthone or thioxanthone of the formula 1



Formula 1

where X has the meaning given above with cuprous cyannide in the presence of pyridine and treating the resultant 2, 7 dicyanoxanthone or thioxanthone of the formula 2



Formula 2

where X has the meaning given above, with dry HCl followed by the condensation of the resulting imino ether hydrochloride with ethanolic ammonia.

Provl. Specn. 3 Pages. Drg. 1 Sheet.
Compl. Specn. 5 Pages. Drg. 1 Sheet.

Ind. Cl. : 32 E. 167933
Int. Cl.[4] : C08F-220/02.

PROCESS FOR PRODUCING A COPOLYMER COMPRISING PHB AND PHV MONOMERS.

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC., A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, RAYMOND RICHARDSON.

Inventors : PETER JAMES SENIOR, STEPHEN HUGH COLLINS & KENNETH RAYMOND RICHARDSON.

Application for Patent No. 445/Del/1986, filed on May 19, 1986.

Convention date May 28, 1985/8513310.

Appropriate Office for Opposition Proceedigs (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

6 Claims

A process for producing a copolymer comprising PHB and PHV monomers form a primary alcohol, other than methanol, having a odd number of carbon atoms said process comprising cultivating a micro-organism comprising an alcohol utilising, poly beta hydroxybutyric acid accumulating bacteria alcaligenes eutrophus capable of growth under growth promotion conditions, said growth promotion conditions comprising :

(a) a substrate comprising assimilable carbon of the kind hereinbefore described;

(b) nutrients as herein described as required for growth, said nutrients being present at levels capable of sustaining growth;

(c) aeration at a rate capable of sustaining growth;

(d) and at a temperature, PH and pressure such that the micro-organism is viable,

on a substrate of the kind hereinbefore described; under copolymer-accumulating conditions as hereindescribed, said conditions being limiting the amount of a nutrient required for growth but not for copolymer-accumulation and/or reducing the rate of aeration such that the micro-organism accumualtes at least 10% by weight of co-polymer, wherein for at least part of the time when the micro-organism is cultivated under copolymer-accumulating conditions, said substrate comprises a primary alcohol, other than methanol, having an odd number of carbon atoms.

Compl. Specn. 18 Pages. Drg. Nil.

Ind. Cl. : 32 $F_{2(a)}$. 167934
Int. Cl.[4] : C07C-43/02.

AN IMPROVED PROCESS FOR THE MANUFACTURE OF DIARYL ETHERS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFIL MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor : BALUSANI SHANKARAIAH.

Application for Patent No. 467/Del/86, filed on May 28, 1986.

Complete Specification left on 24th June, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

An improved process for the manufacture of diaryl ethers which comprises heating a phenolic compound, a strong alkali and halogenated benzene such as herein described in a reaction vessel, condensing the vapours containing halogenated benzene & water, removing the moisture formed in the reaction azeotropically, adding copper catalyst, heating the mixture to complete reaction, cooling the contents in the reaction flask, mixing with demineralized water, separating organic layer containing diaryl ether from aqueous layer containing halogenated benzene, recovering diaryl ether by vacuum distillation and drying the galogenated benzene and recycling it into the said reaction vessel.

(Uses : The product of the invention is useful as an intermediate for the manufacture of m-phenoxy benzaldehyde and m-phenoxy benzyl alcohol).

Provl. Specn. 2 Pages.
Compl. Specn. 8 Pages.

Ind. Cl. : 40 B IV (1). 167935
Int. Cl.[4] : B01J 9/00, 11/00.

HYDROCARBON CONVERSION.

Applicant : UOP INC., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE IN THE UNITED STATES OF AMERICA, WITH ITS PRINCIPAL OFFICE LOCATED AT 20 UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES ILLINOIS-60017, U.S.A.

Inventors : SUSAN LEE LAMBERT, RUSSELL WORD JOHNSON, RANDY JOE LAWSON & TERY LYN BARR.

Application for the Patent No. 912/Del/86, filed on 15th October, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

11 Claims

A hydrocarbon conversion process which comprises contacting at hydrocarbon conversion conditions (such as herein described) a hydrocarbon charge stock with a catalytic composite comprising a non-acidic zeolite, catalytically effective amounts of a Group VIII metal component, and sufficient surface-deposited alkali metal to provide a surface-deposited alkali metal index of at least 10.

Compl. Specn. 25 Pages. Drgs. 2 Sheets.

Ind. Cl. : 140 A2. 167936
Int. Cl. : C 10 M 101/00 & 101/04.

LUBRICATING OIL COMPOSITION FOR TWO STROKE PETROL ENGINES.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA AN INDIAN REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : GOPURAM AYYAPANILLAI SIVASANKARAN, RAJ PAL SINGH BIST, VIJAI KUMAR JAIN, MUKESH GUPTA, VIRENDRA KUMAR BHATIA.

Application for the Patent No. 1070/Del/86, filed on 5th December 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

6 Claims

A lubricating Oil composition for two strock gasoline engines comprising 75-88% of Jojoba oil, bright stock such as herein described or polyssobutylene not exceeding 10%, diluent such as herein described not exceeding 10% and 3 to 6% detergents such as herein described.

Compl. Specn. 8 Pages. Drg. Nil.

Ind. Cl. : 108 B1. 167937
Int. Cl.[4] : C21C 5/56.

AN IMPROVED PROCESS FOR MAKING HIGH QUALITY STEEL DIRECTLY FROM ORE FINES AND NON-COKING FINES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : SHILOWBHADRA BANERJEE AND KEDARNATH GUPTA.

Application for Patent No. 1101/Del/86, filed on 16th December, 1986.

Complete Specification left on 11th March, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

15 Claims

An improved process for making high quality steel directly from ore fine and non-coking fines which comprises :

(i) charging the raw materials, consisting of fine particles of iron rich materials and non-coking coal fines and/or fines of other carbonaceous materials with or without additives such as herein described, which enhance reduction and sintering process, into a vertical retort furnace (reactor) in such a way that an inner column of fine particles of iron rich material and an outer column, surrounding the innner column, of non-coking coal fines and/or fines of other carbonaceous materials with or without additives; is maintained;

(ii) externally heating the reactor to be temperature in the range of 800°—1200°C and for a period of 1—16 hours to produce a directly reduced iron (DRI) in the form of a rod or a slab for a residence time such as herein described.

(iii) continuously withdrawing the DRI rod or slab in the hot condition

(iv) protecting the rod from reoxidation by maintaining a protective atmosphere or by applying a coating with a flux bearing material such as lime and the like, on it;

(v) subsequently electroslag refining in a mould, the rod or slab, while it is still red hot : by using non-consumable electrode during ESR/ESM, and by continuously adding flux and removing the slag produced during the ESR/ESM by overflow;

(vi) continuously withdrawing the high quality steel from the ESR mould or pouring the melt from the ESM furnace to form an ingot or a casting.

Compl. Specn. 18 Pages. Drg. 1 Sheet.
Provl. Specn. 4 Pages.

Ind. Cl. : 48 A_4 & 188. 167938
Int. Cl.[4] : B32B 15/20, & H01R 43/16.

A PROCESS FOR THE PREPARATION OF AN ELECTRICAL CONTACT.

Applicant : CENTRE STEPHANOIS DE RECHERCHES MECANIQUES HYDROMECANIQUE ET FROTTMENT, A FRENCH COMPANY, OF RUE BENOIT-FOURNEYRON, ZONE INDUSTRIELLE SUD, 42160 ANDREZIEUX-BOUTHEON, FRANCE.

Inventors : JEAN-PAUL TERRAT, YVES TREMOUREUX & ANTOINE GAUCHER.

Application for Patent No. 1107/Del/86, filed on 16th December, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

6 Claims

A process for the preparation of an electrical contact which comprises :

placing a metal substrate within the vacuum enclosure of a magnetron sputtering apparatus in which enclosure a magnetic field is intersected by an electrical field created between a pure aluminium target and the substrate, said target and substrate being respectively connected to the negative and positive poles of a direct voltage source;

evacauting said vacuum enclosure;

introducing into the evacuated enclosure a rare gas and a reactive gas such as herein described with the rare gas-reactive gas atmosphere maintained under a reduced pressure of between 0.1 and 1 Pa whereby a plasma is formed between said pure aluminium target and said substrate and said reactive gas releases into said plasma ions constituting carbon or nitrogen as an additive element; and

sputtering and condensing said plasma on to said substrate as a thin coating of polycrystalline aluminium having said additive element implanted within the crystal lattice of the condensed aluminium coating in a proportion of from 9 to 110 atoms of said additive element per thousand atoms of aluminium.

Compl. Specn. 11 Pages. Drg. 1 Sheet.

Ind. Cl. : 9 E. 167939
Int. Cl.[4] : C22C 28/00 & H01F 1/04.

A METHOD FOR THE MANUFACTURE OF A HARD MAGNETIC ALLOY.

Applicant : OVONIC SYNTHETIC MATERIALS COMPANY, INC, A CORPORATION OF THE STATE OF DELAWARE, UNITED STATED OF AMERICA, OF 1100 WEST ROAD, TROY, MICHIGAN 48084, U.S.A.

Inventors : RICHARD CHARLES BERGERON, KAREN SUSAN CANAVAN, ROBERT WILLIAM McCALLUM, JOHN EDWARD KEEM, ALAN MITCHELL KADIN AND GREGORY BAIDASSARE CLEMENTE.

Application for Patent No. 1134/Del/86, filed on December 23, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

2 Claims

A method for the manufacture of a hard magnetic alloy consisting essentially of a solid mass of crystallites, and having a tetragonal major phase of $P4_2/mnm$ crystallography, with the nominal composition

$$(TM)_a (Nd, Pr)_b B_c (Si, Al)_d$$

where TM is transition metal chosen from the group consisting of Fe, Co, Ni, and mixtures thereof, a is from 75 to 85, b is from 10 to 20, c is from 5 to 10, and d is upto 5; said alloy comprising a solid mass of individual crystallites, wherein each of said crystallites meet adjacent crystallites at grain boundaries therebetween and are crystallographically non-oriented with respect to the adjacent crystallites at said grain boundaries therebetween, the material having a characteristic dimension that is function of (a) the interatomic distance of the atoms in the material, (b) the magnetic exchange field of the material, and (c) the magnetic anisotropy field of the material, and a mean crystallite dimension approximately equal to said characteristic dimension material having an interatomic distance of about 2.5 pa Angstroms, a magnetic exchange field of about 6 magaoersteds, a magnetic anistropy field of about 70 kilooersteds, a characteristic dimension of about 200 Angstroms, and being a crystallographically isotropic interactive magnetic material having an isotropic magnetic energy product greater than the maximum isotropic energy product of $(M_{saturation}/4)^2$ of 15 magagausoersteds predicted by the non-interactive Stoner and Wohlfarth model;

said process comprising,

(a) forming a melt of the transition metal, the neodymium and/or praesodymium, the boron, and the silicon and/or aluminium;

(b) rapidly solidifying the melt to form a particulate solid alloy; and

(c) recovering in any known manner said hard magnetic alloy in solid particulate form.

Compl. Specn. 50 Pages. Drgs. 7 Sheets.

Ind. Cl. : 95 M. 167940
Int. Cl.[4] : B66 F 15/00 & A01B 1/02.

MULTIFUNCTIONAL DIGGING TOOL TO FUNCTION AS SPADE-CUM-HOE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor : BOLO RAM KALITA.

Application for Patent No. 252/Del/87, filed on March, 23, 1987.

Complete Specification left on 7th September, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

2 Claims

1. A multi-functional digging tool to function as a spade-cum-hoe which comprises a handle (1), a semi-circular metallic plate (4) fixed permanently, by known methods, to a triangular wedge shaped metallic plate (5), having three holes (6, 7 & 8), the handle (1) being inserted within a splitted cylindrical metallic holder (a & b), and fixed by bolts and nuts (2) the other end of the splitted cylindrical metallic holder (a & b) being tapered, and having three holes (9, 10 & 11), the centre hole (7) of the triangular wedge shaped metallic plate (5) remaining always connected to hole (11) of the splitted cylindrical metallic holder (a & b), hole (10) of the said bolder (a & b) on being connected to hole (6) of the triangular wedge shaped metallic plate (5) enables the tool to function as a spade, hole (9) of the said holder (a & b) on being connected to hole (8) of the triangular wedgeshaped metallic plate (5) enables the tool to function as a hoe.

Provl. Specn. 3 Pages. Drg. 1 Sheet.
Compl. Specn. 5 Pages. Drg. 1 Sheet.

CLASS : 32-F4. 167941
Int. Cl. : C 07 c 43/00.

A PROCESS FOR RECOVERING ANHYDROUS LOWER ALKANESULFONIC ACID FROM MIXTURE OF LOWER ALKANESULFONIC ACID AND WATER.

Applicant : PENNWALT CORPORATION, OF PENNWALT BUILDING, THREE PARKWAY, PHILADELPHIA, PENNSYLVANIA 19102, U.S.A.

Inventors : (1) PERRY D COMSTOCK, (2) KAREN M KEYS.

Application No. 921/Cal/1987, filed November 24, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

15 Claims

A process for recovering anhydrous lower alkanesulfonic acid from a mixture of lower alkanesulfonic acid and water in a falling film evaporator characterized in that said evaporation is carried out in two stages (a) the first stage comprising passing said mixture into a first vertical evaporator column and causing it to run down the internal surface of said column in the form of a liquid film, (b) evaporating part of the water from said mixture in said column at subatmospheric pressure of less than 200 mm Hg and elevated temperature not exceeding 190°C as said mixture runs down said suface, (c) recovering water vapor at the top and recovering lower alkanesulfonic acid of reduced water content at the bottom of said column, (d) repeating the said steps a, b, & c, in a second vertical evaporator column and recovering at the bottom of said second column lower alkanesulfonic acid with a water content of less than 2 percent by weight.

Compl. Specn. 14 Pages. Drg. 1 Sheet.

CLASS : 80-I. 167942
Int. Cl. : A 47 g 19/16; B 65 b 29/04.

COMPRESSIBLE TEA BREWING DEVICE.

Applicant & Inventor : GUR CHARAN SAINI, OF B-66, BANGUR AVENUE, CALCUTTA-700055, WEST BENGAL, INDIA.

Application No. 21/Cal/88, filed January 11, 1988.

Complete Specification left on 10th January, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

A tea brewing device comprising a compressible dry tea enclosure made of porous of perforated material, around which is slung a ribbon, band or thread, with the two free-lengths being slidably and individually allowed to hang on the sides of its one end, as a means for squeezing out after brewing, the concentrated liquor that remains entrapped in the microscopic pores of the tea enclosed therein, merely by pulling apart the said two free-lengths whereby, the said one end of the compressible dry tea enclosure is squeezed up against the opposite end thereof.

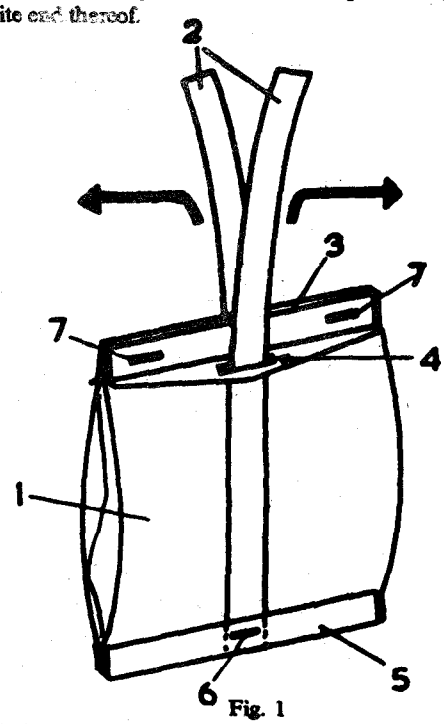


Fig. 1

Compl. Specn. 6 Pages. Drg. 1 Sheet.
Provl. Specn. 5 Pages. Drg. 1 Sheet.

CLASS : 136-E, C, H. 167943
Int. Cl. : B 29 c 39/00.

PROCESS AND APPARATUS FOR PRODUCING FIBRE-REINFORCED THEREMOPLASTIC MATERIAL FOR THE PRODUCTION OF MOULDINGS.

Applicant : MENZOLIT GOBH, POSTFACH 1240, BAHN-HOFSTRABE 31, 7527 KRALCHTAL-MENZINGEN, WEST GERMANY.

Inventors : GERD EHNERT. ROLF VON PAUMGARTTEN.

Application No. 84/Cal/1988, filed February 1, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

30 Claims

A process for producing batches of mouldable fibre-reinforced thermoplastic material the process comprising the steps of providing discrete portions of an initial product of fibers and thermoplastic material-containing binder, as herein described characterised in that traversing the initial product by a hot gas, further heating the said initial product above a melting point of the thermoplastic material, and separating the extrusion into separate specific batches different from the originally feed portions and supplying the separated batches for further processing.

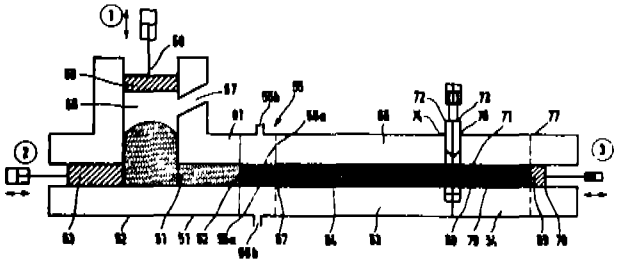


Fig. 1

Compl. Specn. 16 Pages. Drgs. 3 Sheets.

CLASS : 157-$D_{6(c)}$. 167944
Int. Cl. : E 01 b 9/30.

RAIL FASTENING MEANS UTILIZING A RESILIENT CLAMP.

Applicant : VOSSLOH-WERKE GMBH, POSTFACT (P.O. BOX) 1860, 5980 WERDOHL 1, FEDERAL REPUBLIC OF GERMANY.

Inventor : FRIEDHELM WEBER.

Application No. 90/Cal/1988, filed February 2, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

Rail fastening means utilizing a resilient clamp (9) made in the shape of a W from a steel rod, whose central portion embraces the shank of an anchoring bold (11) mounted in a groove (10a, 10b) in a rib (3a, 3b) of a ribbed plate (3), whereby the free ends (9a) of the clamp (9) that are directed towards each other press on the rail flange (1a, 1b) and whereby supporting arms (9c) of the clamp (9) that are spaced away from the rail flange press against the outside of the ribs (3a, 3b) characterized in that the free ends (9a) of the clamp (9) in their pre-assembled setting on the upper surfaces of the ribs (3a, 3b) of the ribbed plate (3) are so located that they do not hinder of the placing in position of the rail (1) and that the head loop (9d', 9e') of the clamp (9') embracing the bolt (11) in this position lies over said free ends (9a') and is spaced from the free area of the rail (1), while in the assembled setting the free ends (9a) of the clamp (9) are passed by the anchoring bolt (11) against the rail flange (1a, 1b), whereby the middle portion (9e) is spaced to a small extent (a) above the rail flange (1a, 1b) and said supporting arms (9c) of the clamp are positioned on the outer side faces of the rib (3a, 3b) and are in abutment with the ribbed plate (3).

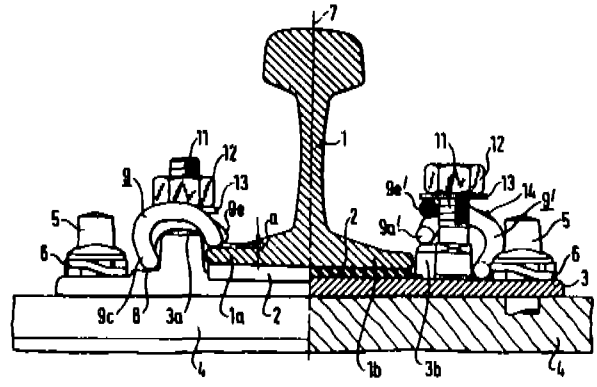


Fig. 1

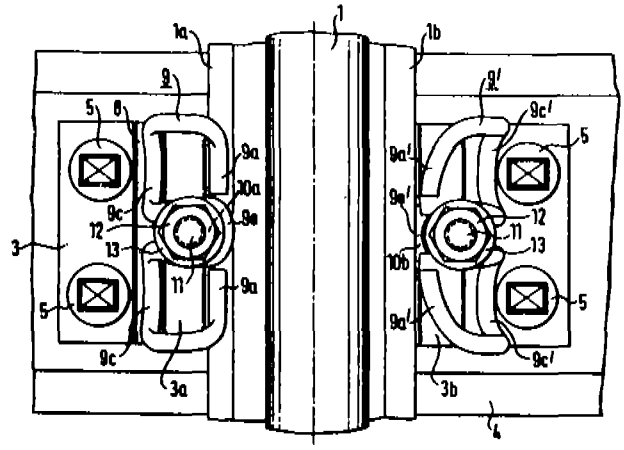


Fig. 2

Compl. Specn. 12 Pages. Drgs. 3 Sheets.

CLASS : 80-J. 167945
Int. Cl. : E 03 b 3/18.

TUBEWELL STRAINER OR FILTER.

Applicant & Inventor : BIREN DAS GUPTA, 19, SHYAMA PALLI, CALCUTTA-700 032, WEST BENGAL, INDIA.

Application No. 149/Cal/1988, filed February 19, 1988.

Complete Specification left on 25th May, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

Tubewell strainer or filter comprising a vertically disposed cylindrical or tubular body of thermoplastic material whose inner surface is provided with a series of equally spaced intergral ribs, one or more slits are circumferentially provided over the said cylindrical or tubular body wherein (a) the width of the said slit is 0.20 ± 0.02 mm. and the slit pitch is 1.5 mm. and (b) the slits penetrate partly through the ribs, but wholly through the rest of the wall of the said cylindrical or tubular body

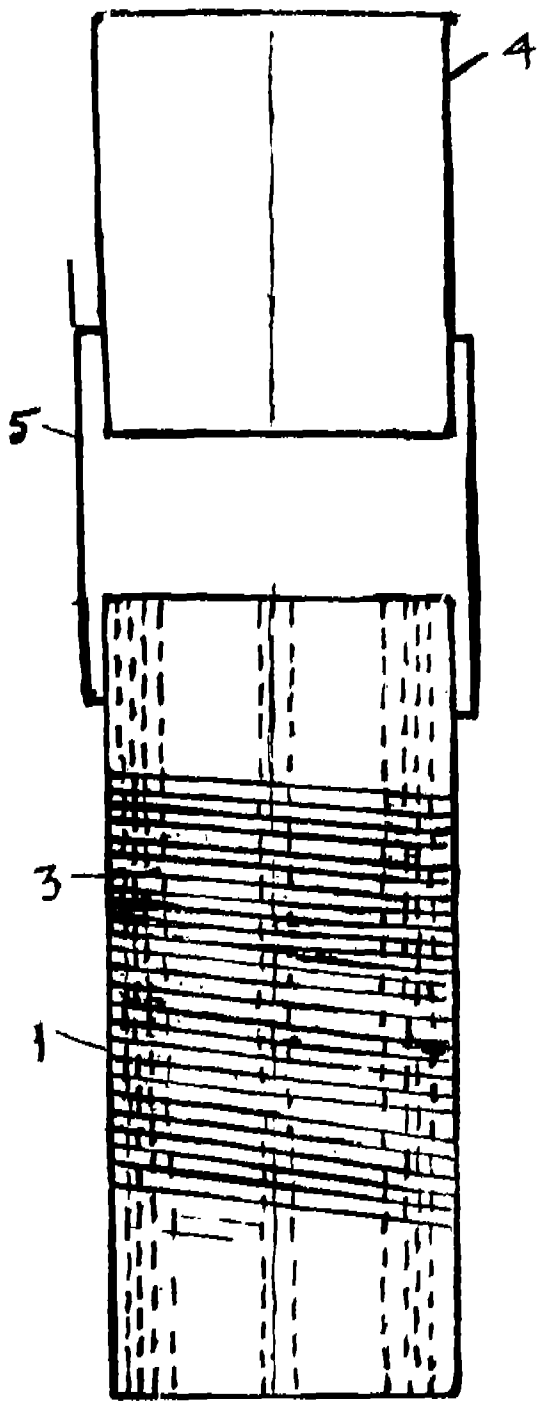


Fig. 1

Compl. Specn. 7 Pages. Drg. 1 Sheet.
Provl. Specn. 3 Pages. Drg. Nil.

CLASS . 35-E. 167946
Int. Cl. : C 04 b 33/00, 35/00.

A PROCESS FOR PRODUCING HIGH STRENGTH PORCELAINS FOR USE IN INSULATORS.

Applicant : NGK INSULATORS, LTD. 2-56, SUDA-CHO, MIZUHO-KU, NAGOYA CITY, AICHI PREF., JAPAN.

Inventors : (1) SHOJI SEIKE, (2) NORIYASU OGURI, (3) HIROSHI HARADA, (4) JUNICHI ISHIKAWA.

Application No. 174/Cal/1988, filed February 29, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

A method of producing a high strength porcelain for use in insulators, comprising :

mixing 20-60 wt. % alumina powder which is decomposed in a single crystalline state, has a 50% average particle diameter of 4-14 microns, and has coarse particles with a particle diameter of not less than 44 microns present in an amount of not greater than 1 wt%, relative to the total weight of the alumina powder, with finely ground raw materials selected from the group consisting of feldspar, silica sand, china stone, and clay, such that a resultant mixture of these components has a 50% average particle diameter of 3-10 microns;

shaping in a conventional manner the resultant mixture to form a shaped body;

drying in a manner such as herein described the shaped body; and

firing the dried, shaped body at temperature of about 1300°C.

Compl. Specn. 24 Pages. Drgs. 5 Sheets.

CLASS : 85-J. 167947
Int. Cl. : F 23 j 1/00.

DRY ASH HANDLING SYSTEM.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA, 15222, UNITED STATES OF AMERICA.

Inventors : (1) GAZMIER L. LISZEWSKI, (2) DALE MCKEAND.

Application No 342/Cal/1988, filed April 27, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

3 Claims

A dry ash handling system for a municipal waste incinerator with a rotary combustor (12) which discharges ash containing combustibles into a boiler having an ash hopper (30) disposed at the lower end

of the boiler for receiving ash from the rotary combustor (12), characterized by a conveyor (36) for removing ash from a lower end of the hopper (30) at a rate controlled to maintain a relatively constant ash height in the hopper (30) and means (56, 60, 62, 64 & 66) for providing combustion air to the ash in the hopper (30) to complete the burning of the combustibles in the ash in the hopper (30) while maintaining a negative pressure within the hopper (30) to prevent fine ash from escaping from the hopper (30).

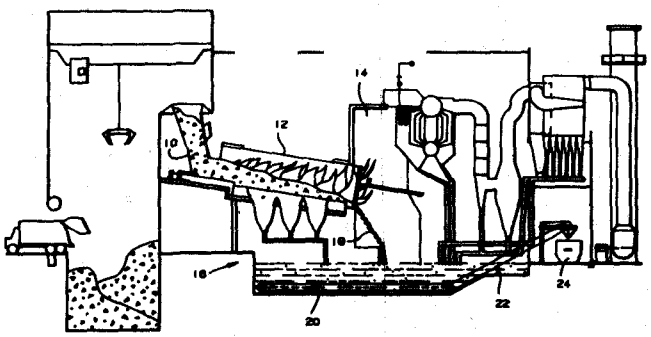


Fig. 1

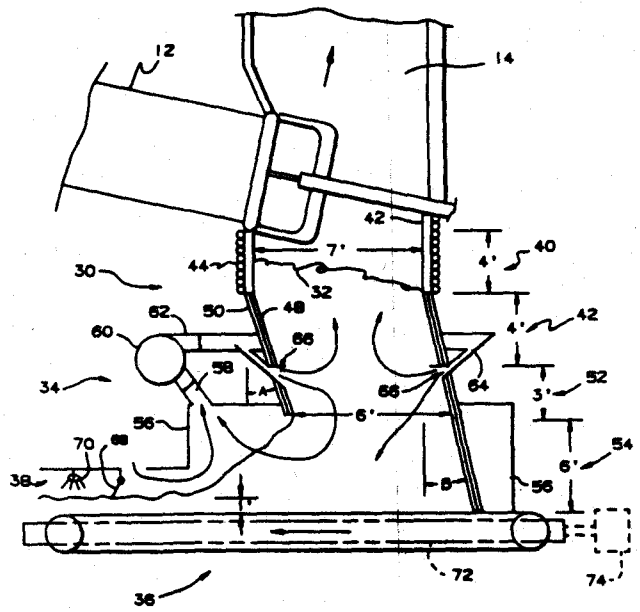


Fig. 2

Compl. Specn. 10 Pages. Drgs. 2 Sheets.

CLASS : 55-D2. 167948
Int. Cl. : A 61 k 45/00.

A METHOD OF PREPARING AN ODORLESS HIGH LEVEL DISINFECTING AND STERILIZING COMPOSITION.

Applicant : SURGIKOS, INC. OF 2500 ARBROOK, BOULEVARD, P.O. BOX 130, ARLINGTON, TEXAS 76010, UNITED STATES OF AMERICA.

Inventors : (1) NORMAN IRVING BRUCKNER, (2) MICHAEL DAVID GORDON, (3) RONALD GENE HOWELL.

Application No. 346/Cal/1988, filed April 29, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

A method of preparing an odorless high level disinfecting and sterilizing composition comprising dissolving from 0.025% to 2.0% by weight of phthalaldehyde in water, optionally adding other known ingredients such as herein described and adding from 0.05% to 2.5% by weight of an alkalinating to acidifying agent ot adjust the pH of the solution to a value greater or less than 7 provided that the ph lies between 3 and 9.

Compl. Specn. 19 Pages. Drg. Nil.

CLASS : 15-E; 116-C. 167949
Int. Cl. : B 65 g 39/00.

IMPROVEMENTS IN OR RELATING TO IDLERS OR IDLE ROLLERS FOR USE IN CONVEYORS.

Applicant : MESSRS. MINING & ALLIED MACHINERY CORPORATION LIMITED, AT DURGAPUR, DIST. BURDWAN, WEST BANGAL, INDIA.

Inventor : SANAT KUMAR SHUKLA.

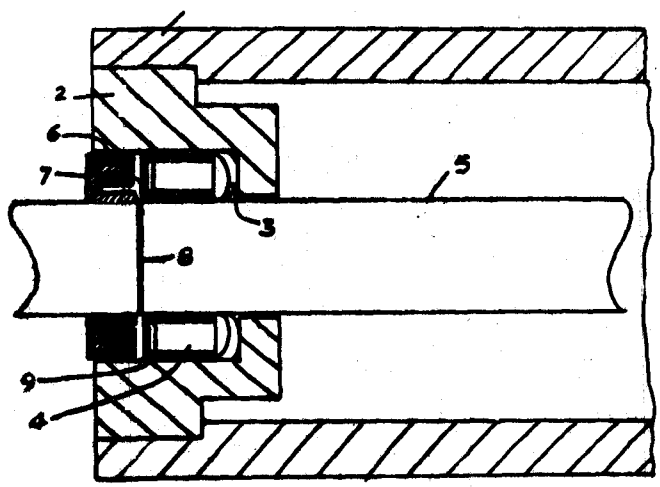
Application No. 435/Cal/1988, filed May 27, 1988.

Complete Specification left on June 19, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

An improved idler for use in transporting materials on conveyor belts comprising a hollow roller having performed provisions at its either end for accommodating a bush member, said bush member having provisions for accommodating a centrally disposed shaft extending across the length of the hollow roller, said bush member having a further housing therein so as to leave an annular gap between the bush member and the said centrally disposed shaft, said annular gap being adapted to accommodate a shaft at the outer end of the bush member.



Compl. Specn. 10 Pages. Drg. 1 Sheet.
Provl. Specn. 7 Pages. Drg. Nil.

CLASS : 35-E. 167950
Int. Cl. : C 04 b 35/00.

METHOD FOR THE MANUFACTURE OF SILICA REFRACTORY BRICKS.

Applicant : ORISSA CEMENT LIMITED, RAJGANGPUR-770017, DIST. SUNDARGARH, ORISSA, INDIA.

Inventors : (1) SUNIL KANTI CHOWDHURI, (2) JYOTI PRAKASH SENGUPTA.

Application No. 614/Cal/1986, filed July 22, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

7 Claims

A method for the manufacture of silica refractory bricks which comprises adding 0.5 to 3 parts by wt. of a thermosetting or thermoplastic resin to 100 parts by wt. particles of quartzite, sandstone, silica grog and like siliceous material with the addition of a lime bearing material and with the optional addition of an additive as herein defined, intimately mixing the ingredients with water to a mouldable consistency, moulding the wet mix into the shape of bricks, drying and firing the said bricks at a temperature of 1350°C to 1500°C.

Compl. Specn. 7 Pages. Drgs. Nil.

Ind. Cl. : 49 B E [XV (1)]. 167951
Int. Cl.[4] : A 47 J 27/00, 36/24.

COMBUSTION APPARATUS FOR USE AS A COOKER, SPACE HEATER AND/OR HEATING ELEMENT FOR DOMESTIC PURPOSES.

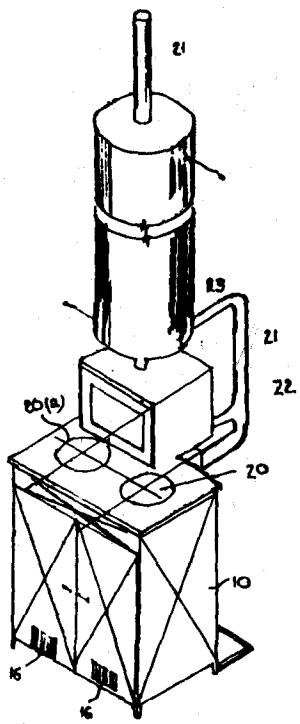
Applicant & Inventors : IAN VERNON HODGSON, A CITIZEN OF ZIMBABWE, OF CRAIGHALL ESTATES, BORROWDALE, HARRARE, ZIMBABWE.

Application for the Patent No. 1/Del/87, filed on January 2, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

6 Claims

Combustion apparatus for use as a cooker, space heater and/or heating element for domestic purposes which comprises at least one hollow elongated combustion chamber, (11) each chamber (11) being provided at one end thereof with an inlet (15) for entry of air and an outlet (19) towards the other end of said chamber (11) for the exit of combustion gases, airflow regulating means (16) provided with said inlet (15) for regulating flow of air through each combustion chamber (11) and a re-chargeable hollow-core fuel pack (12, 13) provided within each chamber (11) said fuel pack (12, 13) comprising successive layers of combustible material such as herein described provided within said chamber (11) and tamped down to form a solid annular fuel charge (12) located coaxially within said chamber (11) in engagement with the inner walls thereof.



Compl. Specn. 6 Pages. Drgs. 3 Sheets.

Ind. Cl. : 170 A. 167952
Int. Cl.[4] : C11D 1/00.

PARTICULATE DETERGENT SOFTENER COMPOSITION AND PROCESS FOR PREPARING THE SAME.

Applicant : COLGATE-PALMOLIVE COMPANY, OF 300 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A.

Inventor : RICHARD PETER ADAMS.

Application for Patent No. 54/Del/87, filed on January 27, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

19 Claims

A particulate detergent softener composition capable of imparting improved softness, detergency, antistatic and soil anti-redeposition properties to fabrics treated therewith in a laundering process which comprises by weight :

from 5% to 40% of water soluble non-soap, organic surfactant as herein described,

from 10% to 80% of water soluble, neutral to alkaline builder salt as herein described, and

an intimate mixture, substantially homogeneously dispersed in said composition as discrete particles, of (i) from 2% to 20% by weight based on the total composition of cationic amina softener as herein described, and (ii) from 1% to 50% by weight based on the weight of the cationic amine softener of a

water soluble ethorylated tertiary amine dispersant-cum-softener-compound as herein described,

the concentration of said water soluble non-soap oganic surfactant with respect to said cationic amine softener being provided according to equation :

% concentration = $1 \cdot 5\ C_S\ 5$

wherein C_S is the percent concentration of said cationic amine softener.

Compl. Specn. 30 Pages. Drg. 1 Sheet.

Ind. Cl. : 69 B. 167953
Int. Cl.[4] : H01H 43/00.

TIMER ACTUATED SWITCH FOR INDUSTRIAL DUST COLLECTORS AS WELL AS FOR THE CONTROL OF SEQUENTIAL CYCLIC SWITCHING OF LOADS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

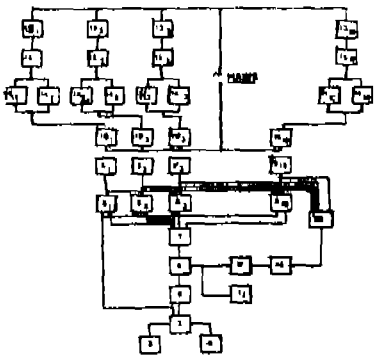
Inventors : PROMODE KUMAR BASU & SRI DEBABRATA BANERJEE.

Application for Patent No. 65/Del/1987, filed on January 29, 1987.
Complete Specification left on February 22, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

3 Claims

A timer actuated switch for industrial dust collectors as well as for the control of sequential cyclic switching of loads which comprises a wave generator (2) for generating waves, which is being connected to an ON time set (3) and OFF time set (4) for controlling the mark and space period of the rectangular wave generator, the output of the wave generator being connected to a pulse shaper (5) for generating pulse train, feeding the pulse train to at least a decade counter (6) the reset terminal of the said counter being connected to a power ON reset circuit (1) for starting the counting of the counter from zero, when main power is ON, the output of the counter being connected to a decoder (7) which converts the binary counter decimal form 1-10 or more of the outputs of the wave generator (2) being also connected along with each of the ten or more decoded decimal outputs to at least ten numbers of two input AND gates, the outputs of the AND gates (8_1 to 8_{10} or more) (all not shown in the drawings), the inputs of the AND gates being connected to a series of ten isolator switches (9_1 to 9_{10} or more) (all not shown in the drawings) which isolate the power switches (10_1 to 10_{10} or more) (all not shown) from low power control side and operate the power switches when the AND gates operate the power switches (10_1 to 10_{10} or more) being connected to loads (11_1 to 11_{10} or more) respectively through fuses (12_1 to 12_{10} or more) and load start counting indicator (13_1 to 13_{10} or more) (all not shown) and lamps (14_1 to 14_{10} or more) (all not shown) in parallel to loads, the mains being connected in parallel across the ten lines, the output of the AND gates being connected to a settable one outlet switch (15) the outputs of the switch being connected to the reset terminal of the counter (6) through a pulse shaper (16) and a manual reset (17).



Provl. Specn. 4 Pages.
Compl. Specn. 12 Pages. Drg. 1 Sheet.

Ind. Cl. : 5 D. 167954
Int. Cl.[4] : A01D 34/02 & 34/30.

A CROP REAPER.

Applicant & Inventor : THUMSWAMY JOSEPN DAVID, AN INDIAN NATIONAL OF ST. STEPHEN CHRUCH COMPOUND, FATEH PURI, DELHI-110 006, INDIA.

Application for Patent No. 111/Del/87, filed on February 11, 1987.

Complete Specification left on 11th May, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

9 Claims

A crop reaper comprising a main frame having a pair of wheels rotatably secured to the rear of said frame, drive means for driving said crop reaper are provided on the said frame, said drive means consist of a main drive shaft having a main and auxiliary sprocket mounted thereon and a pair of pedals secured thereto so as to drive a driven sprocket mounted on a first drive shaft through a sprocket chain, a further sprocket mounted on said first drive shaft for driving the wheel axle, provided on the said frame, characterised in that a cutter assembly removably and adjustably secured to the said main frame, a crop gathering assembly supported on the frame of said cutter assembly a seat and a handle for accommodating and supporting the drive are provided on the rear of said frame.

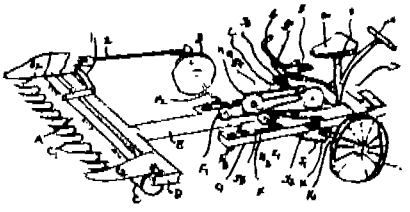


Fig. 1

Compl. Specn. 10 Pages. Drgs. 2 Sheets.
Provl. Specn. 4 Pages.

Ind. Cl. : 194 C1. 167955
Int. Cl.[4] : H 01 J 31/00.

APPARATUS INCORPORATED IN CATHODE RAY TUBES FOR REDUCING THE FIELD STRENGTH IN THE TUBE ENVIRONMENT.

Applicant : NOKIA DATA SYSTEMS AB, A COMPANY ORGANISED UNDER THE LAWS OF SWEDEN OF S-164 98 STOCKHOLM, SWEDEN.

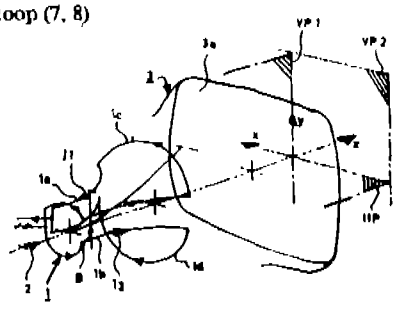
Inventors : ROLAND THOMAS WILHELM JOHANSSON, STIGHARNE LANGH & KNUD MADSEN.

Application for Patent No. 160/Del/87, filed on February 24, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

Apparatus incorporated in cathode ray tubes (CRT 9) for reducing the magnetic field strength in the environment of the CRT, the CRT comprising a deflecting coil generating a magnetic deflecting field in the transverse direction of the electron beam and a magnetic leakage field in the CRT environment as well as a screening casing of magnetic material surrounding the deflecting coil, characterized in that the apparatus comprises a first compensation loop (7, 8) which extends outside the CRT (3) in an area at said screening casing (1) and is substantially symmetrical about a horizontal plane (HP) at right angles to the direction of the magnetic deflecting field (B) and containing the longitudinal symmetrical axix (z) of the CRT and a first vertical plane (VP1) which contains said symmetrical axis (z) and is at right angles to the horizontal plane (HP) and in that the first compensation loop (7, 8) is electrically connected to the deflecting coil (1), the first compensation loop (7, 8) generating a magnetic compensation dipole field (DK) being substantially counterdirected to said magnetic leakage field (DL, RD) within an area in front of the display surface (3a) of the CRT (3) reducing a magnetic field strength in this area, the strength of the compensation dipole field (DK) depending on the size of a projected area in the horizontal plane (HP) of said first compensation loop (7, 8) and the direction of compensation dipole field (DK) depending on the correct direction (I_1, I_2) in the first compensation loop (7, 8)



Compl. Specn. 11 Pages. Drgs. 9 Sheets.

Ind. Cl. : 152F & 32 E. 167956
Int. Cl.[4] : C08 L 23/26.

A METHOD OF PRODUCING AN ELASTOMER.

Applicant : UNIROYAL CHEMICAL COMPANY, INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF NEW JERSEY, ONE OF THE UNITED STATES OF AMERICA, LOCATED AT WORLD HEADQUARTERS, MIDDLEBURY, CONNECTICUT 06749 (U.S.A).

Inventors : RALPH DANIEL, ALLEN, SESHAN THIRUVENGADA, FRANK C. CESARE, & HARRY DALE VISSER.

Application for Patent No. 304/Del/87, filed on April 9, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

5 Claims

A method of producing an elastomer which comprises (a) blending a high molecular weight polymer having a molecular weight of at least about 40,000 with a low molecular weight terpolymer formed by the copolymerization of (i) ethylene (ii) an alphalolefin having formula $H_2C = CHR$ wherein R is C_1 to C_{16} linear or branched alkyl, and (iii) a nonconjugated polyene, and having a molecular weight of between 1,000 and 15,000 such that the viscosity of the blend is at least 5% less than the viscosity of the high molecular weight polymer along; and then adding (2) a curative compound of the kind such as herein defined to cure the composition, the amount of said low molecular weight terpolymer being from 5 to 5% of the total amount of said polymer and said curative compound, and the amount of said curative compound being from 0.5 to 5 parts by weight per 100 parts of said polymer; (b) forming in any conventional manner the blend produced in step (a) into a desired conformation; and (c) subjecting said blend to conventional curing conditions.

Compl. Specn. 24 Pages. Drg. Nil.

Ind. Cl. : 34 B (X). 167957
Int. Cl. : B 29 D-9/00.

A MULTI-LAYERED COMPOSITE STRUCTURE OF COMPACT AND CELLULAR ELASTOMERS FOR SOUND AND HEAT INSULATION PURPOSES.

Applicant : CAOUTCHOUC MANUFACTURE ET PLASTIQUES, A FRENCH COMPANY, OF 143 BIS RUE YVES LE COZ, 78000 VERSAILLES, FRANCE.

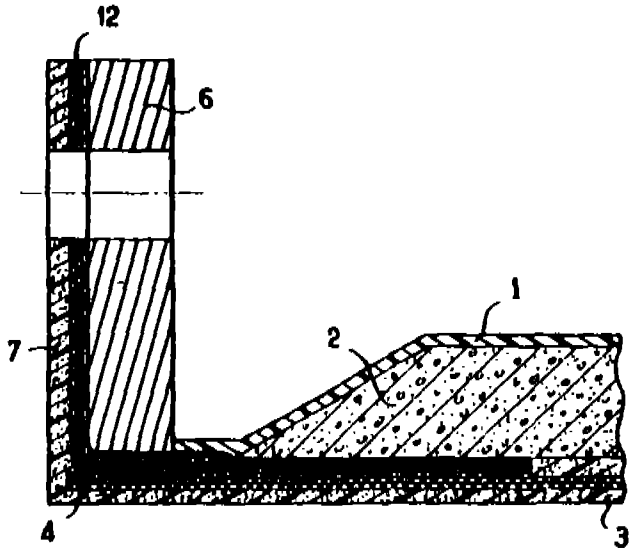
Inventors : JEAN-PIERRE BECHU & JACQUES JOSEPH CHAMPLEBOUX.

Application for Patent No. 351/Del/87, filed on April 22, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

A multi-layered composite structure of compact and cellular elastomers for sound and heat insulation purpose, said structure comprising at least three layers of elastomeric materials of which a first layer (1) is of a compact elastomer based composition as hereinbefore described for protection against fire, and intermediate layer (2) intimately bonded to said first layer and comprising an elastically deformable cellular material having a specific weight of about 200 Kgs/m^3 and a modulus of elasticity at least equal to 0.1 MPa under compression of 50% and a third layer (3) of compact elastomer based composition.



Compl. Specn. 16 Pages. Drgs. 5 Sheets.

Ind. Cl. : 87 E. 167958
Int. Cl.[4] : A63H, 19/00, 21/00

TOY COG RAILWAY.

Applicant : INTERLEGO AG, A SWISS JOINT STOCK COMPANY, OF NEUHOFSTRASSE 21, CH-6340 BAAR SWITZERLAND.

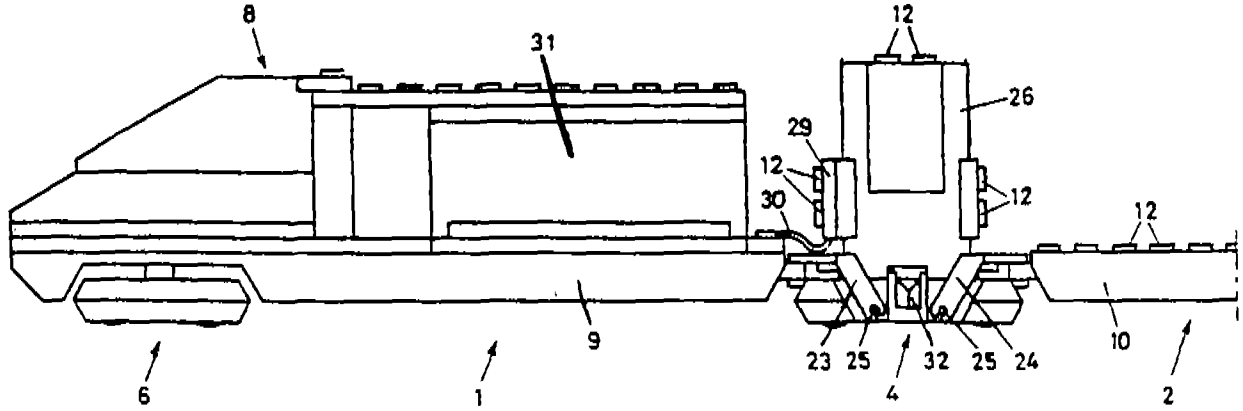
Inventors : PETER BOLLI, HEINZ LOOSER & WERNER TANNER.

Application for Patent No. 590/Del/87 filed on 14th July 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

29 Claims

A toy cog railway having a train with at least an engine car (1) comprising at least two axles (15) each having rimless wheels, (16) a drive motor (26) having connected thereto a cogwheel (28) for engaging a track cogging member (43) of a track, (41, 42, 43) a pair of racks (44, 45) on opposite sides of said track cogging member (43) the rotating axis (27) of said cogwheel (28) extending perpendicularly to said axles, (15) and guide means (21, 22) at a lower portion of said engine car (1) for guiding said engine along at least one driving face (41, 42, 53, 54) of said track, said guide means (21, 22) comprising at least one pair of longitudinally extending opposed guide walls (21, 22) contacting sides of said track cogging member, (43) said cogwheel (28) being laterally offset with respect to a center line between said longitudinally extending guide walls (21, 22) so as to only engage a single one of said racks (44, 45).



Compl. Specn. 29 Pages. Drgs. 12 Sheets.

Ind. Cl. : 145E [XII (3)]. 167959
Int. Cl.[4] : D 21 C 3/04.

PROCESS FOR THE DELIGNIFICATION OF CELLULOSIC SUBSTANCES.

Applicant : INTEROX, A BELGIAN COMPANY, OF 33, RUE DU PRINCES ALBERT, B-1050 BRUSELS, BELGIUM.

Inventor : JOSEF STEFAN GRATZI.

Application for the Patent No. 647/Del/86, filed on July, 18, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

10 Claims

A process for the delignification of cellulosic substances of the kind as hereinbefore defined which comprises treating said cellulosic substances with (1) an acid of the kind such as herein described followed by treatment with hydrogen (2) peroxide in an alkaline medium and subjecting the product so formed to a digestion in the presence of at least one chemical reactant chosen from sulphur-containing materials and oxygen.

USES : the product of invention can be used for pulp making in paper industry.

Compl. Specn. 20 Pages. Drg. Nil.

Ind. Cl. : 32 E. 167960
Int. Cl.[4] : C08 F 236/06 & 8/00.

A PROCESS FOR MODIFYING STYRENNE BUTADIENE STYRENNE BLOCK COPOLYMERS.

Applicant : SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH, 19, UNIVERSITY ROAD, DELHI-110 007, INDIA, AN INDIAN INSTITUTE REGISTERED UNDER SOCIETIES REGISTRATION ACT.

Inventors : GULZARI LAL BHALLA, RAKESH CHANDRA SOOD AND AJAY KUMAR.

Application for Patent No. 706/Del/87, filed on August 14, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

6 Claims

A process for modifying styrene butadiene styrene (SBS) block copolymers which comprises in preparing a solution consisting of the copolymer or precursor thereof and solvent consisting of an aromatic solvent such as xylene and/or toluene characterised in adding a reagent consisting of paratoluene sulphonyl hydrozide and at-least one scavenger consisting of an anti oxident and/or an ionic scavenger to said precursor or copolymer solution, subjecting said reaction medium to the step of heating at a temperature of 95 to 110°C for a period of 10 to 12 hours to cause hydrogenation of said 'SBS' copolymers block for modifying it.

Compl. Specn. 11 Pages.

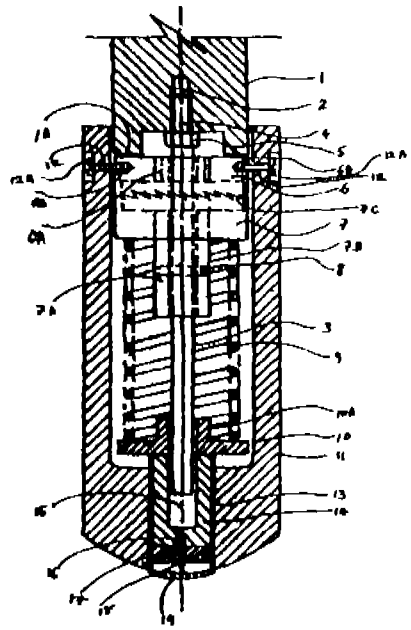


Fig. 1

Compl. Specn. 6 Pages. Drgs. 2 Sheets.

Ind. Cl. : 89-[XLI (6)]; 127 H-[LXV (1)]. 167961
Int. Cl. : G 01 B 5/16.

AN IMPROVED RATCHET DEVICE ATTACHED WITH A HANDLE OF A SCREW GAUGE AND THE LIKE.

Applicant : VINAY KUMAR SHRIDHAR, OFFICE OF THE DIRECTOR OF INSPECTION, DIRECTORATE GENERAL OF SUPPLIES & DISPOSALS, AAYAKAR BHAVAN ANNEXE, NEW MARINE LINES, BOMBAY-400020, MAHARASHTRA, INDIA.

Application No. 243/Bom/88, filed on August 25, 1988.

[Patent of addition to Patent No. 161582 dated December 26, 1987].

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

3 Claims

An improved ratchet device attached with a handle of a screw gauge and the like as claimed in claim 1 of my Patent No. 161582; wherein the toothed ratchet wheels, the spring and washer members of the said ratchet device are rearranged such that the said pair of mated toothed ratchet wheels are slideably mounted on the said step spindle, the said washer is slideably mounted after mounting the said spring over the slotted sleeve member of one of the said toothed ratchet wheel, the other toothed ratchet wheel is without the sleeve member and provided with holes at its circumference for accommodating the set screws provided in the torque head; and the threaded fastening device in the form of a nut and the lock nut provided at the threaded end of the said step spindle is replaced by a hollow grub screw, adaptable to the step spindle end, and a lock grub screw threaded into a tapped hole provided at the end of the said torque head for adjusting the torque of the said ratchet device.

Ind. Cl. : 32 F_2(b) [IX(1)], 55 $E_2 + E_4$ [XIX(1)]. 167962
Int. Cl. : C 12 P-21/00, 21/04.

A PROCESS FOR THE PRODUCTION OF NEW ANTIBACTERIAL ANTIBIOTICS NAPSAMYCIN A AND B FROM STREPTOMYCES CANDIDUS Y-82, 11372 (CULTURE NUMBER HOECHST INDIA LIMITED Y-82, 11372), ITS MUTANTS OR VARIANTS.

Applicants : HOECHST INDIA LIMITED, AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT HOECHST HOUSE, NARIMAN POINT, 193 BACKBAY RECLAMATION, BOMBAY-400 021, MAHARASHTRA, INDIA.

Inventors : SURESH RUDRA NADKARNI, (2) SUGATA CHATTERJEE, (3) MAHESH VITHALBHAI PATEL, (4) KALYANPURAM RAJGOPALAN DESIKAN, (5) BIMAL NARESH GANGULI, (6) HANS WOLFRAM FEHLHABER AND (7) RICHARD HELMUT RUPP.

Application No. 260/Bom/88, filed on September 9, 1988.

Complete after Provisional left on December 1, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

4 Claims

A process for the production of new antibacterial antibiotics Napsamycins A and B from *streptomyces candidus* Y-82, 11372 (Culture number Hoechst India Limited Y-8211372), its mutants or variants, said process comprises cultivating (fermenting) said streptomyces candidus Y-82, 11372, its mutants or variants under aerobic conditions in a nutrient medium herein described at 28-32°C and pH between 6.0 to 8.0 and isolation and purifying the said antibiotics from the culture broth in a known manner such as herein described.

Compl. Specn. 20 Pages. Drg. Nil.
Provl. Specn. 15 Pages. Drgs. 6 Sheets.

Ind. Cl. : 189; Gr. [LXVI (9)]. 167963
Int. Cl. : A 61 K-7/13.

AN AQUEOUS HAIR CONDITIONING AND DYEING COMPOSITION.

Applicant : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventor : FONGCHAN SAPHAKKUL.

Application No. 284/Bom/1988, filed on October 12, 1988.

U.K. Priority October 15, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

10 Claims

An aqueous hair conditioning and dyeing composition comprising in addition to water :

(i) from 0.1 to 5% by weight of a cationic surfactant,

(ii) from 0.1 to 5% by weight of a fatty alcohol having an alkyl group with from 8 to 22 carbon atoms.

(iii) from 0.001 to 0.5% by weight of a basic dye as hereinbefore described, and

(iv) from 0.001 to 5% by weight of a neutral dye as hereinbefore described.

the cationic surfactant being present in the form of a disperse lamellar liquid crystal phase, and the weight ratio of basic dye to neutral dye being from 1 : 20 to 1 : 2.

Compl. Specn. 22 Pages. Drgs. Nil.

Ind. Cl. : 98F, 48A4. 167964
Int. Cl. : A 47 J-27/09, H 01 B-17/00.

AN IMPROVED HEATING PAD.

Applicant : EAGLE FLASK INDUSTRIES PRIVATE LIMITED (AN INDIAN COMPANY), AT EAGLE ESTATE, TALEGOAN-410 507, DIST. PUNE, STATE OF MAHARASHTRA, INDIA.

Inventor : ALIMOHAMMED CHANGANBHAI PADAMSEE.

Application No. 11/Bom/89, filed on Jaunary 4, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

2 Claims

An improved heating pad for use in the electrical domestic appliances, such as, pressure cookers, heaters and the like, with protective electrical insulation comprising :

a first layer of fibre glass sleeve encasing entire length of the heating element in the said pad; a second layer of a pair of fibreglass cloth sheets, in which said fibre glass encased heating element is longitudinally coiled and is stitched in place; and

a third layer of materials, such as, neoprene, silicon rubber, kapton rubber, polytetra Fluoro Ethylene (PTFE), valcanized and moulded over said heating element having said first and second layers.

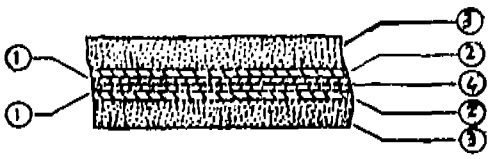


Fig. 1

Compl. Specn 6 Pages. Drg. 1 Sheet.

Ind. Cl. : 126 A-LVIII (6). 167965
Int. Cl. : GOID-5/12, GOIR-33/18.

A MAGNETIC DEVICE FOR DIRECT MEASUREMENT OF VELOCITY OF A MOVING COMPONENT.

Applicant : LARSEN & TOUBRO LIMITED, L & T HOUSE, BALLARD ESTATE; BOMBAY-400 038, MAHARASHTRA, INDIA.

Inventor : ALLADI JAGANNATH.

Application No. 17/Bom/1989, filed on January 16, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

9 Claims

A magnetic device for direct measurement of velocity of a moving component such as herein described, said device comprising a ferromagnetic material housing consisting of a hollow member 1A one end 1B which is closed, a magnetic circuit consisting of a constant magnetic field generating magnet (2) supported on said closed one end 1B of said hollow member 1A and a ferromagnetic material core (3) disposed in said hollow member, one end of said core being supported on said magnet and the other end of said core protruding the other end of said hollow member 1A, a conductor coil (4) wound with uniform winding pitch and slidably disposed over said core, said coil being provided with connecting means to connect it to said moving component, one end of said coil being connectable to a induced voltage measuring unit and a flux concentrator consisting of a ferromagnetic material flat member (6) fixed to said other end of said hollow member and provided with a centre hole (6A), said core being disposed in said centre hole in uniformly spaced apart relationship with the peripheral wall of said centre hole, the peripheral wall of said centre hole being provided with uniform thickness, the gap between the peripheral wall said centre hole and said core forming an air gap, (7) the flux of the constant magnet field being generated by said magnet passing through the axis of said core via said hollow member, flat member and air gap (7).

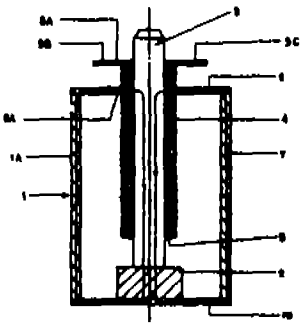


Fig. 2

Compl. Specn. 8 Pages. Drg. 1 Sheet.

Ind. Cl. : 67 C [LI (2)] 168-CB [LI (4)], 206 E [LXII] 167966
Int. Cl. : B 60 Q-7/00, G 01 F-23/00, B 62 D-25/14.

A WARNING DEVICE TO BE FIXED ON THE DASH BOARD OF AUTOMOBILE.

Applicant & Inventor : MRS. SHAMAL JAISHANKAR NIRODY, INDIAN NATIONAL, AT A-1, NANDANVAN, PLOT NO. 1028, B. P. ROAD, OFF M. G. ROAD, MULUND (WEST), BOMBAY-400 080, MAHARASHTRA, INDIA.

Application No. : 49/Bom/1989, filed on February 28, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

5 Claims

A warning device for automobiles comprising in combination;

an interface in contact with vehicle system to receive analog signal from the said vehicle system;

an analog to digital converter to convert the said analog signals into digital signals;

a sequential scanner connected to the said digital converter alongwith sequential oscillator sequentially scan the said digital signals from the said digital converter and transmit to an encoder;

said encoder converting each of the said scanned signals into a corresponding code;

a vocabulary memory into which the said scanned signals are fed into and determining therein the phrase of warning to be announced;

a speech synthesiser converting the said signals from vocabulary memory into analog (speech) signals corresponding to a language selected by a selector switch; and

a loud-speaker connected to an amplifier for announcing the said selected language.

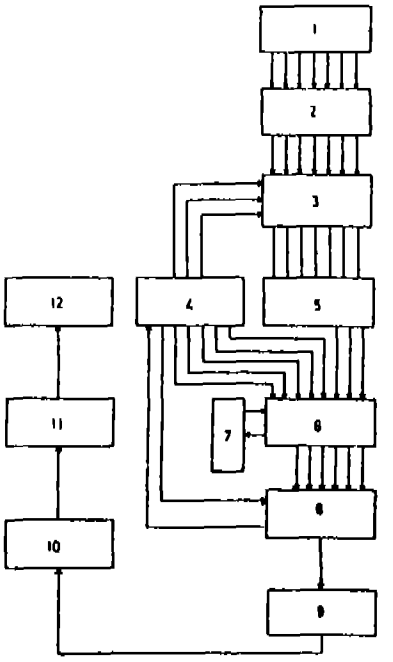


Fig. 1

Compl. Specn. 9 Pages. Drg. 1 Sheet.

Ind. Cl. : 170B & D [XL III(4)]. 167967
Int. Cl. : C11D-1/83.

DETERGENT COMPOSITION.

Applicants : HINDUSTAN LEVER LTD., HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) MICHAEL HULL, (2) REGINALD VEAR SCOVEN & (3) DENNIS GILES.

Application No. 85/Bom/1989, filed on April 5, 1989.

U.K. priority date April 6, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

7 Claims

A detergent composition including a surfactant system comprising :

(i) a fatty acid ester sulphonate; and

(ii) nonionic surfactant having an hydrophile-lipophile-balance (HLB) of less than 10.5; wherein the fatty acid ester sulphonate has the general formula

$$R^1 - CH(SO_3M) - COOR^2$$

wherein R^1 and R^2 are independently hydrocarbon groups having at least 4 carbon atoms, the sum of the carbon atoms in groups R^1 and R^2 being from 8 to 30, and M is a monovalent cationic species.

Compl. Specn. 12 Pages. Drg. Nil.

Ind. Cl. : 32 F 1-IX (1), 55 E 4-XIX (1). 167968
Int. Cl. : C 07 D-243/14, 243/16, 243/24.

AN IMPROVED PROCESS FOR THE SYNTHESIS NORDIAZEPAM.

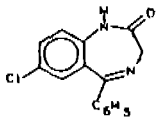
Applicants & Inventors : SHRINIVAS P. ACHARYA AND RAVINDRA B. PALKAR, FROMACHARYA RESEARCH CENTRE PVT. LTD. W-41, M.I.D.C. INDUSTRIAL ESTATE, MORIVALI VILLAGE, AMBARNATH-421 501, INDIA.

Application No. 187/Bom/89, filed on July 10, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

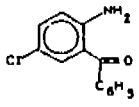
4 Claims

An improved process for the synthesis of nordiazepam (7-chloro-5-phenyl-1, 3-dihydro-2H-1, 4-benzodiazepine-2-one) of formula I



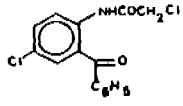
Formula I

shown in the accompanying drawings which comprises chloroacetylating 2-amino-5-chlorobenzophenone compound of formula II



Formula II

shown in the accompanying drawings with chloroacetyl chloride in touene, water and sodium bicarbonate to obtain a 2-chloroacetamido-5-chlorobenzophenone compound of formula III



Formula III

shown in the accompanying drawings and cyclising said compound of formula III in presence of a dipolar aprotic solvent such as herein defined, saturated with ammonia gas.

Compl. Specn. 13 Pages. Drgs. 4 Sheets.

Ind. Cl. : 164C II (3), 201C II (4). 167969
Int. Cl. : C02 F-11/14.

AN IMPROVED METHOD FOR THE DETOXIFICATION OF A FLUORINE CONTAINING AQUEOUS EFFLUENT.

Applicant : BHABHA ATOMIC RESEARCH CENTRE, A SCIENTIFIC INSTITUTION OF THE DEPARTMENT OF ATOMIC ENERGY, GOVERNMENT OF INDIA, TROMBAY, BOMBAY-400 085, MAHARASHTRA, INDIA.

Inventor : SANDIP SAHA.

Application No. 258/Bom/1989, filed, on September 19, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

3 Claims

An improved method for the detoxification of a fluorine containing aqueous effluent by reducing the fluoride concentration thereof to an environmentally safe limit of 5 ppm (parts per million) or less, said method consisting of the following steps :

(i) treating the fluorine containing aqueous effluent with ferric chloride in stoichiometric quantity of the fluorine content in the effluent at a pH of 4.5-5;

(ii) filtering the slurry obtained by step (i) to separate a precipitate containing iron cryolite and obtain a filtrate containing a fluoride concentration of 500 to 1000 ppm;

(iii) treating the filtrate obtained by step (ii) with calcium chloride 50-75% by weight in excess of the stoichiometric quantity of the fluorine content in the filtrate;

(iv) treating the slurry obtained by step (iii) with aluminium chloride followed by pH adjustment to 11.5-12 by using sodium hydroxide, the aluminium chloride to slurry ratio being 0.75-2 : 2000-4800 by weight; and

(v) filtering the slurry obtained by step (iv) to separate a precipitate containing calcium fluoride and calcium and ferric hydroxide and a complex containing aluminium, calcium, fluorine and sodium and obtain a filtrate containing a fluoride concentration of 5 ppm or less.

Compl. Specn. 10 Pages. Drg. Nil.

Ind. Cl. : 32 F₁(d) [IX(1)], 55 E₄ [XIX (1)]. 167970
Int. Cl. : C 07 D-311/00, 311/02.

A PROCESS FOR THE PREPARATION OF NOVEL PHARMACOLOGICALLY ACTIVE 6-SUBSTITUTED POLYOXYGENATED LABDANE DERIVATIVES.

Applicant : HOECHST INDIA LIMITED, HOECHST HOUSE, NARIMAN POINT, 193 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) DR. BANSI LAL, (2) MR. ASHOK GANGOPADHYAY, (3) MR. VIJAY ATMARAM AROSKAR, (4) DR. ALIHUSSEIN NOMANBHAI DOHADWALLA & (5) DR. RICHARD HELMUT RUPP.

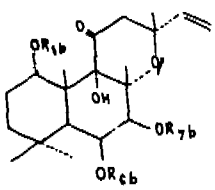
Application No. 295/Bom/1989, filed on November 1, 1989.

DIVL of 50/Bom/87.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

2 Claims

A process for the preparation of novel pharmacologically active 6-substituted polyoxygenated labdane derivatives of the formula IB



Formula 1B

R_{1b} is hydrogen or a group of the formula -C-(CH)$_n$-CH$_2$-OR$_8$,
||
O R$_9$

wherein n stands for 0 or 1, R_8 stands for hydrogen, alkyl, acyl, aralkyl or aryl and R_9 stands for hydrogen, hydroxyl, alkyl or aryl, R_8 and R_9 together with the oxygen and carbon atoms to which they are attached are represented by the group shown in Fig. 1

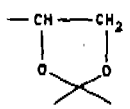
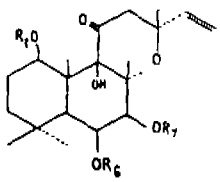


Fig. 1

R_{6b} is a group of the formula -C-(CH$_n$-CH$_2$-OR$_8$, wherein n, R_8 and R_9
||
O R$_9$

have the same meaning as described above; and R_{7b} is hydrogen said process comprises subjecting to migration reaction a 7-substituted polyoxygenated labdane derivatives of the formula I



Formula I

wherein R_1 is hydrogen or a group of the formula -C-(CH)-CH$_2$-OR$_8$,
||
O R$_9$

wherein n stands for 0 or 1, R_8 stands for hydrogen, lower alkyl, acyl, aralkyl or aryl and R_9 stands for hydrogen, hydroxyl, alkyl or aryl, R_8 and R_9 together with the oxygen and carbon atoms to which they are attached are represented by the group shown in Fig. 1, R_6 is hydrogen, and R_7 is a group of the formula -C-(CH)$_n$-CH$_2$OR$_8$, wherein n, R_8 and
||
O R$_9$

R_9 have the same meaning as described above, with a reagent such as herein described in a water soluble organic solvent such as herein described at 25-30°C and isolating and purifying the compound of the formula from the reaction in a known manner such as herein described.

Compl. Specn. 10 Pages. Drg. 1 Sheet.

DESIGN CANCELLATION PROCEEDINGS
SECTION 51A

An application made by The Walt Disney Company for cancellation of the registration of Design No. 161422 in Class 3 in the name of Richie Rich Products on 16-7-1990.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of registration in the entry.

Class 3. No. 162190. David Alistair Walker, an Australian of 269, Fig Tree Pocket Road, Fig Tree Pocket Queensland 4069, Australia. "Watering Device for Plants & Trees". June 11, 1990.

Class 3. No. 162222. The Procter & Gamble Company of One Procter & Gamble Plaza, Cincinnati, State of Ohio, U.S.A. "Carton". June 18, 1990.

Class 3. No. 162366. Bonjour International at 5762/6, New Chandrawal, Jawahar Nagar, Delhi-110 007, India, a proprietory concern. "Casserole". July 27, 1990.

Class 3. No. 162547. Cadbury India Limited, Cadbury House, 19 B, Desai Road, City of Bombay-400 026, Maharashtra, India. "Container". October 4, 1990.

Copyright extended for the 2nd period of five years

Nos. 154355, 155367, 155317, 152798, 152781, 152783, 152796, 153193, 155410, 155928, 155929, 155931 to 155937 ..... Class 1

Nos. 152797, 152784, 152782, 158481, 158482, 152799, 155930, 156383 to 156401, 156879, 156512, 156513 & 162064 ..... Class 3

Nos. 155579 and 155578 ..... Class 5

Nos. 153254 and 155205 ..... Class 12

Copyright extended for the 3rd period of five years

Nos. 158481, 148482, 162064, 150236, 150319 and 150091 ..... Class 3

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